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State Teachers College

THE COLLEGE QUARTERLY

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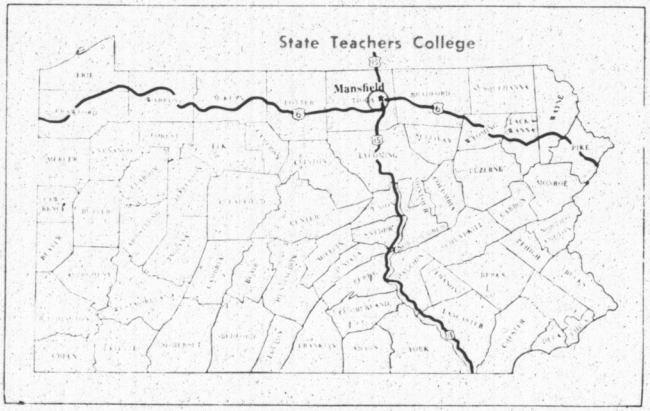

LOCATION OF MANSFIELD

Mansfield Borough is located in Tioga County, Pennsylvania, approximately fifty miles north of Williamsport, via Route 15, and thirty miles southwest of Elmira, New York, via Route 549. At this point two main highways of Pennsylvania—Route 6, running east and west, and the aforementioned Route 15, running north and south — intersect, making Mansfield State Teachers College easily accessible by motor from all parts of the state. The Greyhound and Edward's Lakes-to-Sea buses have regularly scheduled stops at Mansfield.

There is no passenger train service to or from Mansfield; but there is adequate freight train service. Thus, if it is necessary, a student may send his baggage to the College by rail. In doing so, however, the student should be certain that such baggage is marked distinctly with his own name and "State Teachers College, Mansfield, Tioga County, Pennsylvania." He should be sure also that the baggage is shipped via Elmira, N. Y. and the Tioga Division of the Erie Railroad.

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THE COLLEGE QUARTERLY

STATE TEACHERS COLLEGE
MANSFIELD, PENNSYLVANIA

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1957-1959

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and
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ARCHIVES
of Pennsylvania

COLLEGE CALENDAR

1957-1958

1957 Summer Sessions

Pre-Session Begins ..... Monday, June 10
Pre-Session Ends ..... Friday, June 21
Six-Weeks Session Begins ..... Monday, June 24
Six-Weeks Session Ends ..... Friday, August 2
Post-Session Begins ..... Monday, August 5
Post-Session Ends ..... Friday, August 23

ACADEMIC YEAR

1957-1958

First Semester

Registration of Freshmen ..... Wednesday, September 4
Registration of Upperclassmen ..... Thursday, September 5
Classes Begin at 8 a.m. ..... Friday, September 6
Thanksgiving Recess Begins at 12 noon .. Tuesday, November 26
Thanksgiving Recess Ends at 8 a.m. ..... Monday, December 2
Christmas Recess Begins at 12 noon .... Saturday, December 14
Christmas Recess Ends at 8 a.m. ..... Monday, January 6
First Semester Ends at 12 noon ..... Tuesday, January 21

Second Semester

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1957-59

Registration ..... Monday, January 27
Classes Begin at 8 a.m. ..... Tuesday, January 28
Easter Recess Begins at 12 noon ..... Tuesday, April 1
Easter Recess Ends at 8 a.m. ..... Tuesday, April 8
Alumni Day ..... Saturday, May 24
Baccalaureate Service ..... Sunday, May 25
Commencement ..... Monday, May 26

COLLEGE CALENDAR

1958-1959

1958 Summer Sessions

Pre-Session Begins ..... Monday, June 2
Pre-Session Ends ..... Friday, June 20
Six-Weeks Session Begins ..... Monday, June 23
Six-Weeks Session Ends ..... Friday, August 1
Post-Session Begins ..... Monday, August 4
Post-Session Ends ..... Friday, August 22

ACADEMIC YEAR

1958-1959

First Semester

Registration of Freshmen ..... Monday, September 8
Registration of Upperclassmen ..... Tuesday, September 9
Classes Begin at 8:00 a.m. ..... Wednesday, September 10
Thanksgiving Recess Begins at 12 noon .. Tuesday, November 25
Thanksgiving Recess Ends at 8:00 a.m..... Monday, December 1
Christmas Recess Begins at 12 noon .... Thursday, December 18
Christmas Recess Ends at 8:00 a.m. ..... Monday, January 5
Semester Ends at 12 noon ..... Tuesday, January 20

Second Semester

Registration ..... Monday, January 26
Classes Begin at 8:00 a.m. ..... Tuesday, January 27
Easter Recess Begins at 12 noon ..... Tuesday, March 24
Easter Recess Ends at 8:00 a.m. ..... Tuesday, March 31
Alumni Day ..... Saturday, May 23
Baccalaureate Services ..... Sunday, May 24
Commencement Exercises ..... Monday, May 25

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THE COLLEGE

HISTORY

After some preliminary planning by prominent citizens beginning in 1854, the first building was erected and opened in 1857, under the name of the Mansfield Classical Seminary with a registration of 105 students. Four months later, this building burned to the ground; but the resolute citizens suffered no delay in renewing building operations, with the result that South Hall was available for the formal opening of school on Nov. 23, 1859.

From its beginning the school labored under such serious financial difficulties that in 1862, at the request of the trustees, the Commonwealth of Pennsylvania took over the Classical Seminary, and it became the Normal School of the Fifth District.

In 1871 the first provision for student teaching was organized by Professor Fordyce A. Allen, then head of the Normal. At first, the elementary grades of the Mansfield Soldiers Orphans School were used for the purpose; but later, when the need for the Orphan school no longer existed in the district, the lower grades of the local public school were organized for teacher preparation.

A modern training school building was opened on the campus in 1914, and six years later, the junior high school was included in the organization. The new junior high school building, however, was not erected until 1926.

The State Council of Education at its meeting in June, 1926, authorized the State Normal School at Mansfield to confer the degree of Bachelor of Science in Education to graduates of courses in Elementary and Secondary Education. A year later, on May 13, 1927, a formal resolution authorized a Teachers College at Mansfield and, subsequently, the power to grant degrees was extended to the special fields of Music and Home Economics.

GROUNDS AND BUILDINGS

Mansfield State Teachers College is situated in the heart of Pennsylvania's Northern Tier, a region of forested mountains and fertile valleys once known to an earlier people as "The Garden of the Six Nations." The campus, a plot of sixty-three acres, is fraught with natural beauty and man-made symmetry which can provide an ideal setting at all times of the year.

The buildings, about twenty in number, are chiefly of brick and stone construction. They are modern and well-equipped. Among them are a new science biulding and Men's Dormitory.

South Hall, which stands on the site of the original Mansfield Classical Seminary, is a new and completely modern building housing the men, the office and the living quarters of the Dean of Men, and recreation and music-practice rooms.

North Hall is a combined women's dormitory and administrative building. It contains living accommodations for women students; the offices of the president, the deans, and the business staff; the college dining rooms; the kitchens and the bakery; reception and conference rooms; the campus book and supply store; the college library; and the various assembly, recreation, and music-practice rooms for women.

The Infirmary Building, a student health center conveniently set apart from the dormitories, contains the offices of the college physician and the college nurse and rooms for the treatment of injury and illness. Here also are isolation quarters for the care of any persons ill with contagious diseases who cannot be removed safely to their homes. A State Hospital is located in Blossburg, ten miles from Mansfield, where by special arrangement with the college serious medical or surgical cases receive immediate attention at low cost.

Alumni Hall, with its traditional Clock Tower, is one of the oldest structures on the campus, distinguished for its historical interests and significance.

The Arts Building is a completely modern structure containing the latest equipment in the specialized fields of home economics and music education. Included here are classrooms, laboratories, rehearsal rooms, conference rooms, administrative quarters, and various special facilities. Under the same roof a living unit provides a comfortable "home situation" in which groups of home economics students, with a resident instructor, live and work together as part of the course in home management.

The Science Building has been erected to afford space for chemical, physical, and biological laboratories. Commodious lecture rooms, and stock and supply rooms, together with offices for the science instructors, are housed in the new building.

The College Library is housed temporarily in North Hall and offers the advantages of any up-to-date library. It subscribes to over 237 magazines and 23 newspapers and contains more than 35,000 volumes. Its reference books and periodical indices supply adequate means for study and research. It maintains a large pamphlet file and picture collection.

A trained librarian is on duty at all times to assist students in locating material. Libraries in the elementary and junior high

school building supply juvenile books for the use of children and teachers in those schools.

The Education Center, once known as the Model School, now houses the departments of Education, Psychology, Speech, English, Mathematics and Social Studies as well as the offices of the instructors.

The Elementary School Building provides a laboratory situation for prospective teachers of rural and elementary schools, grades one to six inclusive. In this modern structure are to be found a full complement of well-equipped classrooms with observation booths, a beautiful library room; special music, fine arts, and industrial quarters; a large gymnasium-auditorium; departmental offices; and clinical facilities.

The Junior High School Building has a similar plant for prospective teachers of grades seven, eight, and nine. Here, too are classrooms, laboratories, a library, a mechanical shop, a printing shop, a gymnasium, and departmental offices. The Mansfield Senior High School cooperates with the College in furnishing further opportunities for student observation and teaching.

Straughn Hall, the college auditorium, is a fine modern building with a seating capacity of 1,250. This artistic auditorium contains a three-manual Austin Organ, sound motion picture apparatus, and stage and lighting facilities adequate for dramatic productions.

The Gymnasium Building furnishes excellent facilities in the field of physical education. Here provisions have been made for a large double playing floor, with ample room for men's and women's sports to be carried on simultaneously. Locker and shower rooms, offices for the director of the department, and other facilities which contribute to a full physical education and athletic program also are provided.

Student Union, "The Hut," formerly the Y.M.C.A. building, has been converted into a modern student union for the use of all students and faculty. This structure, approximately 60 by 100 feet, equipped with a soda fountain, grille and up-to-date furnishings, is well patronized and takes a prominent place in the recreational life of the campus.

The Student Center, formerly the old gymnasium building, is a newly-created recreational and social center. Here may be found a large room suitable for informal dances, parties, and games.

The President's Home is an imposing residence which harmonizes admirably with the buildings of the College proper and contributes much to the beauty and dignity of the campus as a whole.

Smythe Park is a tree-lined enclosure of thirty acres apart from the campus, where the out-door athletic contests of the College are held.

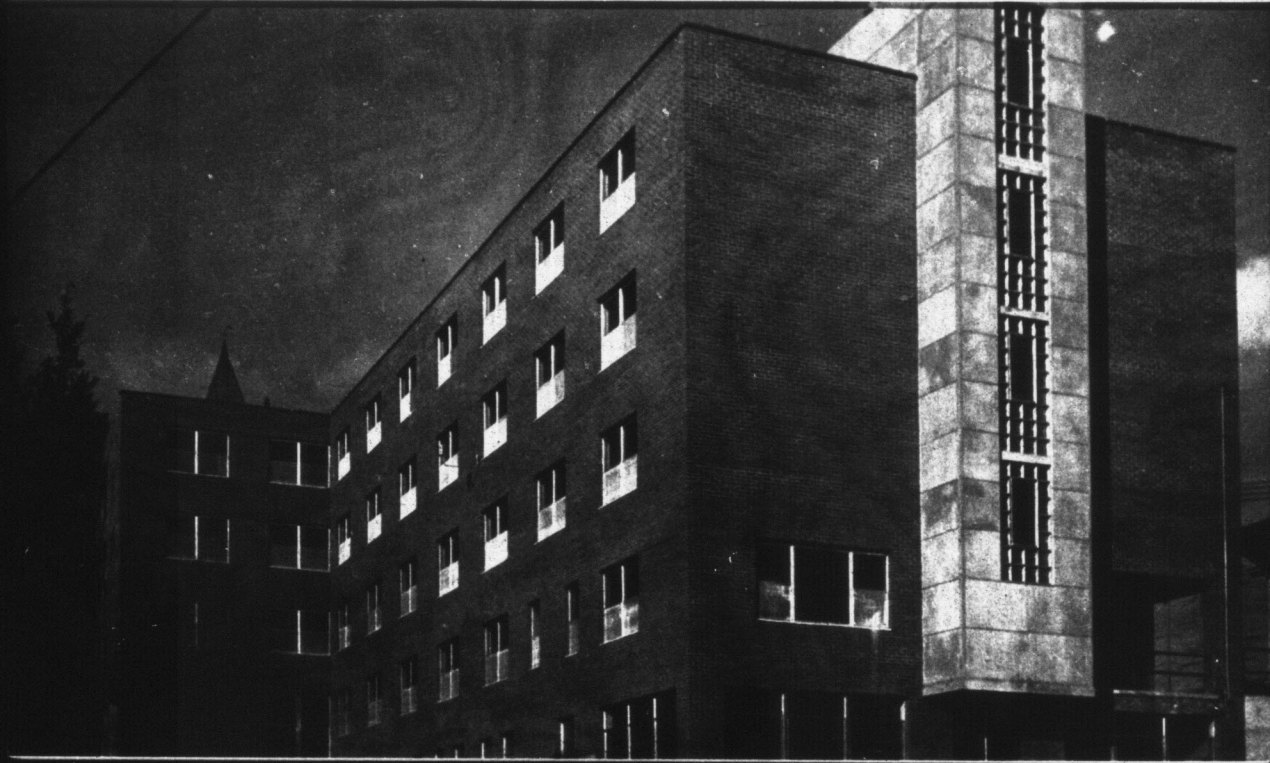
The Heating Plant and Maintenance Building are located across Route 6 from the Education Center and the Elementary Building.

REQUIREMENTS FOR ADMISSION

SUMMARY OF GENERAL REQUIREMENTS FOR ADMISSION TO PENNSYLVANIA STATE TEACHERS COLLEGES

Candidates for admission must satisfy these three general requirements in detail as outlined below:

1. General scholarship as evidenced by:
   a. Graduation from an approved secondary school which includes grades ten, eleven and twelve, or institution of equivalent grade, or equivalent preparation as determined by the Credentials Division of the Department of Public Instruction.
   b. A rating of satisfactory to the institution on reliable scholastic aptitude and communication tests administered at the college.
2. Integrity and appropriate personality as shown by an estimate by secondary school officials of the candidate's trustworthiness, initiative, industry, social adaptability, personal appearance, and sympathy.
3. Health, physical vigor, emotional stability, absence of physical defects that would interfere with the successful performance of the duties of a teacher, and absence of predisposition toward ill health as determined by a medical examination.
   a. All applicants for admission shall present a certificate of examination signed by a physician legally qualified to practice medicine in the Commonwealth of Pennsylvania. Forms for this examination will be furnished by the college. This medical examination will be checked by an examining physician at the college and students may be required to undergo a complete re-examination.



b. Applicants may be rejected for the following reasons:
   1. Incurable defects or diseases of the heart, lungs, kidneys, digestive system, nervous system (including hysteria, epilepsy, nervous instability), skin, organs of special senses, and thyroid.
   2. Defective vision of marked degree
   3. Permanently impaired hearing
   4. Marked speech defect
   5. Unsightly deformities
   6. Marked obesity

Students with remedial defects will be accepted on condition that immediate treatment be undertaken for the removal of these defects.

A personal interview with particular attention to personality, speech, habits, social presence, expressed interests of the applicant, and promise of professional development will be given at the college.

The personal interview is to serve two purposes:

1. To give the examining committee of the college an opportunity to select from the applicants for admission those persons who give promise of becoming desirable teachers.
2. To take inventory of the personal characteristics of the applicants who are admitted, making this inventory available to instructors and officers concerned with personnel work in the college.

All applications for admission should be made to President Lewis W. Rathgeber, State Teachers College, Mansfield, Penna.

SPECIAL REQUIREMENTS FOR ADMISSION TO THE MUSIC EDUCATION CURRICULUM

1. Musical aptitude
   a. The possession of an acceptable singing voice.
   b. Evidence of average or above-average musical talent as indicated by
      1) A good sense of pitch.
      2) Rhythmic responsiveness.
      3) Adequate melodic and rhythmic memory.

2. Musical accomplishment

   a. The ability to sing at sight, with a reasonable degree of accuracy of intonation and rhythm, a melody of the degree of difficulty of a simple folk song or hymn tune.

   b. The ability to sing the alto, tenor, or bass part of a song of the difficulty of "America."

   c Sufficient technical skill on one or more legitimate musical instruments to serve as a basis for the development of a first-hand acquaintance with standard works of musical literature.

   d. Ability to play piano music of the degree of difficulty of the first book of a standard graded course of piano instruction, including equal facility in reading from the treble and bass clefs. Students whose pianistic technic is sufficiently advanced may present this qualification to meet the requirements of "c" above. Students who have had no previous piano instruction will study without credit until they meet the entrance requirements.

   e. A working knowledge of the fundamentals of music theory such as scales, key-signatures, and the symbols of music notation.

Demonstration of the above-named capacities and accomplishments will take the form of group tests and individual auditions conducted at the time of the personal interview.

Applicants who are deficient in any of the above named areas of musical accomplishment may be accepted if they give evidence of superior qualifications in other areas. Such deficiencies will be noted in their letters of acceptance and must be removed by the end of the first year through evidence of satisfactory application and progress in the field of deficiency.

Academic regulations in force in the College require that students maintain certain academic standards from semester to semester. Minimum requirements for student teaching assignments are an overall average of C and a similar average in the courses of the major field. Music students whose basic technics in sight-singing and piano are deficient may be refused teaching assignments until they have improved these technics to meet minimum requirements.

ADVANCED STANDING

1. Transfer students meet the same requirements as other applicants, and will not be accepted without certificates of honorable dismissal.

2. Credit will be given for acceptable courses pursued in accredited college institutions provided that the grade is one grade above the lowest passing grade.

3. Students who apply for advanced standing must arrange to have their transcripts sent to the registrar in advance of their entrance so that the transcripts can be evaluated before registration day. The transfer student is required to submit a marked General Catalog containing description of courses offered by the institution from which credit is being transferred.

4. No student may be graduated and receive a degree from this college without a minimum residence of one year.

5. Degree candidates desiring to pursue any part of their approved program of studies for the degree at another institution will be required to secure, in advance, approval from the Dean of Instruction.

6. All degree candidates must file applications with the Registrar at the beginning of the semester in which the degree is expected to be obtained.

THE INSTRUCTIONAL PROGRAM

1. The Four-Year Elementary Education Curriculum provides four years of pre-service preparation in Elementary Education and leads to the degree of Bachelor of Science in Education. Students desiring to qualify for this degree are required to complete satisfactorily the basic four-year Elementary Education curriculum which entitles the holder to teach in the Elementary schools of the Commonwealth.

2. The Four-Year Secondary Education Curriculum provides four years of pre-service preparation in Secondary Education and leads to the degree of Bachelor of Science in Education and State Certification which entitles the holder to teach in Junior and Senior High Schools those subjects in which he has specialized, including grades seven and eight when organized on a secondary basis in 6-3-3 school.

3. The Four-Year Home Economics Education Curriculum provides four years of pre-service preparation in the specialized field of Home Economics Education and carries with it the degree of Bachelor of Science in Home Economics Education and State Certification which entitles the holder to teach and supervise vocational home economics and general home economics in the Junior and Senior High Schools.

4. The Four-Year Music Education Curriculum affords four years of pre-service preparation in the specialized field of Music Education and leads to the degree of Bachelor of Science in Music Education and State Certification which entitles the holder to teach and supervise music in the public schools of Pennsylvania.

5. The Degree Curriculum for Dental Hygienists leads to the degree of Bachelor of Science in Education and State Certification which entitles the holder to practice dental hygiene in the public schools. Requirements for this program will be found on Page 38 in the catalog.

6. The Degree Curriculum for Public School Nurses leads to the degree of Bachelor of Science in Education and State Certification which entitles the holder to practice nursing in the public schools. Requirements for this program will be found on Page 39 in the catalog.

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On request to the President's office, special bulletins describing each department will be sent to persons interested.

ELEMENTARY EDUCATION CURRICULUM

B.S. IN EDUCATION

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
Communication I ..... or English I (3-3) and Speech I (2-2)	5	5
Professional Orientation ...	3	3
Basic Biology	4	3
Health	2	2
World Geography	3	3
Freshmen Orientation	1	0
	18	16

SECOND SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
Communication II ..... or English II (3-3) and Speech II (2-2)	5	5
**Introduction to Art	3	2
**Introduction to Music ...	3	2
Basic Physical Science	4	3
*Physical Education I	2	1
Geography of the United States and Pennsylvania..	3	3
	20	16

THIRD SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
World Culture I ..... or Literature I (2-2) and History of Civilization I (3-3)	5	5
***Music for the Elementary Grades	2	2
*Physical Education II.....	2	1
Science for the Elementary Grades	3	3
Art for the Elementary Grades	2	2
General Psychology	3	3
	17	16

FOURTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
World Culture II ..... or Literature II (2-2) and History of Civilization II (3-3)	5	5
Teaching of Music in the Elementary Grades	4	3
Teaching of Art in the Elementary Grades	4	3
*Physical Education III	2	1
Educational Psychology and Evaluative Techniques ...	3	3
Audio-Visual Education	3	2
	21	17

FIFTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
History of United States and Pennsylvania I	3	3
Language Arts in the Elementary Grades ..... or Teaching of Reading (3-3) Teaching of Language (3-3), and Children's Lit. (3-3)	9	9
Teaching of Health	3	2
Creative Activities in the Elementary School	3	3
	18	17

SIXTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
History of the United States and Pennsylvania II	3	3
Child Development	3	3
Social Living in the Elementary Grades ..... or Teaching of Arithmetic (3-3), Teaching of Elementary Science (3-3), and Teaching of Social Studies and Geography (3-3)	9	9
Electives	2	2
	17	17

SEVENTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
American Government	3	3
Home and Family Living or Introduction to Philosophy	3	3
Electives	9	9
	15	15

EIGHTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
Student Teaching and Direction of Student Activities.	30	12
Professional Practicum including School Law	2	2
	32	14
TOTAL		128

*Physical Education I, II, and III may be individual or group activity.

**All or any part of these courses may be scheduled as a part of the unit in World Culture and the corresponding semester hours added to World Culture.

***A satisfactory score in a qualifying test is necessary before admission, otherwise a preparatory non-credit course is required.

A student may be given the privilege of taking an examination in any subject matter area in which he registers for the purpose of securing exemption from taking a course. A student shall be given credit for a course in which he registers and in which he demonstrates competence by a qualifying examination.

SPECIALIZATION AND ELECTIVES IN THE ELEMENTARY EDUCATION CURRICULUM

Provisional College Certificates issued on the basis of the four year Elementary Curriculum are valid for kindergarten and Grades One to Six inclusive and for Grades Seven and Eight if not in an approved junior high school or a junior-senior high school.

Students may specialize in Early Childhood, in Intermediate grade, or in upper grade teaching by selecting appropriate electives.

REQUIRED

Courses listed in the elementary curriculum outline.

ELECTIVES	C.H.	S.H.
Arts and Crafts	3	3
Child Adjustment	3	3
Child Psychology	3	3
Creative Activities in the Elementary School	3	3
Creative Art	3	3
Creative Design	3	3
Diagnostic and Remedial Reading	3	3
Harmony I	3	3
Harmony II	3	3
History and Appreciation of Music	3	3
Pre-School Education	3	3
Problems in Elementary Art	3	3
School and Community	3	3
Speech Development and Improvement	3	3
Speech Problems	3	3
Teaching the Exceptional Child	3	3
Teaching of Spanish in the Elementary School	3	3

Students may also elect courses in academic fields and special curriculums offered at the college.

A student may be given the privilege of taking an examination in any subject matter area for the purpose of securing exemption from taking a course. A student shall be given credit for a course in which he registers and in which he demonstrates competence by this qualifying examination.

SECONDARY EDUCATION CURRICULUM

B.S. IN EDUCATION

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
Communication I ..... or English I (3-3) and Speech I (2-2)	5	5
Basic Biology	4	3
Health	2	2
World Geography	3	3
Fundamentals of Mathematics	3	3
Freshmen Orientation	1	0
	18	16

THIRD SEMESTER

Required:		
World Culture I ..... or Literature I (2-2) and History of Civilization I (3-3)	5	5
**Introduction to Art	3	2
*Physical Education II	2	1
Science in Modern Civilization	3	3
Electives	6	6
	19	17

FIFTH SEMESTER

Required:		
History of the United States and Pennsylvania I.	3	3
Audio-Visual Education	3	2
General Psychology	3	3
Electives	8	8
	17	16

SEVENTH SEMESTER

Required:		
American Government	3	3
Home and Family Living or Introduction to Philosophy	3	3
Electives	10	10
	16	16

SECOND SEMESTER

	Clock Hrs.	Sem. Hrs.
Required:		
Communication II ..... or English II (3-3) and Speech II (2-2)	5	5
Basic Physical Science	4	3
*Physical Education I	2	1
Professional Orientation	3	3
Electives	3	3
	17	15

FOURTH SEMESTER

Required:		
World Culture II ..... or Literature II (2-2) and History of Civilization II (3-3)	5	5
**Introduction to Music	3	2
*Physical Education III	2	1
Electives	9	9
	19	17

SIXTH SEMESTER

Required:		
History of the United States and Pennsylvania II	3	3
Problems of Secondary Education including Guidance..	3	3
Educational Psychology and Evaluative Techniques ...	3	3
Electives	8	8
	17	17

EIGHTH SEMESTER

Required:		
Student Teaching and Direction of Student Activities..	30	12
Professional Practicum including School Law	2	2
	32	14

*Physical Education I II and III may be individual or group activity.

**All or any part of these courses may be scheduled as part of the unit in World Culture. If combined, the semester hours devoted to World Culture will be correspondingly increased.

Total — 128 Semester Hours.

SPECIALIZATION AND ELECTIVES IN THE SECONDARY EDUCATION CURRICULUM

Graduation requirements for this curriculum include specialization in not less than two teaching fields.

1. The first field shall require not fewer than thirty (30) semester hours, except the field of science where the requirement is thirty-eight (38) semester hours and the field of English where the requirement is thirty-five (35) semester hours. The fields included are:

History	Social Studies	Chemistry
Physical Science	Biological Science	Physics

and not fewer than twenty-four (24) semester hours in:

Foreign Language	Geography	Mathematics
General Speech		

2. The second field shall require not fewer semester hours in one particular area of study than the minimum required for certification.

A student may be given the privilege of taking an examination in any subject matter area in which he registers for the purpose of securing exemption from taking a course. A student shall be given credit for a course in which he registers and in which he demonstrates competence by a qualifying examination.

Students may also elect courses in academic fields and special curriculums for which they are qualified and which are offered at the college.

SELECTION OF CURRICULUM

Since many students will undertake graduate study after completing the undergraduate preparation for teaching, curriculums and areas of specialization should be selected with care and with the advice of college authorities.

AREAS OF SPECIALIZATION
IN
THE SECONDARY EDUCATION CURRICULUM
ENGLISH

(First Field 35 S.H., Second Field 18 S.H.)

Course Titles

	Clock Hours	Semester Hours
Required:		
*Communication I	5	5
or		
English I 3	3	
and Speech I 2	2	
*Communication II	5	5
or		
English II 3	3	
or Speech II 2	2	
**World Culture I 5	5	
or		
Literature I	2	2
and History of		
Civilization I 3	3	
**World Culture II 5	5	
or		
Literature II	2	2
and History of		
Civilization II 3	3	
***Teaching of English in Secondary Schools	3	3

Restricted Electives

At least one course must be selected from each of Groups 1, 2, 3 and 4.

Group 1.	Survey Courses		
	American Literature	3	3
	English Literature	3	3
	American Poetry	3	3
	American Prose	3	3
Group 2.	Period Courses		
	Pre-Shakespearean Literature	3	3
	Shakespeare	3	3
	Eighteenth Century Literature	3	3
	The Romantic Movement	3	3
	Victorian Literature	3	3

		Clock Hours	Semester Hours
	Western World Lit		
Group 3.	Literary Form Courses		
	Criticism	3	3
	Modern Drama	3	3
	The Novel to 1870	3	3
	Contemporary Novel	3	3
	Essay	3	3
	Contemporary Poetry	3	3
	Short Story	3	3
	Literature of Biography	3	3
Group 4.	Composition		
	Creative Writing	3	3
	Journalism	3	3
	Advanced Composition	3	3
	English Philology and Grammar	3	3

*In Communication I and Communication II, five (5) semester hours for each course will be counted toward specialization in English as a first field provided General Speech is not used as a second field in which case three (3) hours count for English and two (2) hours count for Speech.

**World Culture I and II are composite courses. Each course will carry 2 S.H. toward specialization in English.

***Required only when English is the First Field.

FOREIGN LANGUAGE

French

(First Field 24 S.H., Second Field 18 S.H.)

Course Titles	Clock Hours	Semester Hours
Required		
French I	3	3
French II	3	3
French III	3	3
French IV	3	3
Electives		
French V—Survey of Literature	3	3
French VI—Survey of Literature	3	3
French VII—Advanced Language and Techniques	3	3
French VIII—French Classical Drama	3	3
French IX—French Literature of the 19th Century	3	3
French X—Development of the French Novel	3	3

German

(First Field 24 S.H., Second Field 18 S.H.)

(This area will be offered if warranted by sufficient demand)

	Clock Hours	Semester Hours
Required		
German I	3	3
German II	3	3
German III	3	3
German IV	3	3
Electives		
German V and VI—Survey of German Literature	6	6
German VII—Intensive Grammar and Teaching Techniques	3	3
German VIII—Advanced Conversation and Composition	3	3
German IX—Special Projects	3	3
German X—The Drama in German Literature	3	3
German XI—Lyric Poetry in German Literature	3	3

Latin

(This area will be offered if warranted by sufficient demand)

(Second Field only, 18 S.H.)

Required		
Latin I—Ovid and Virgil	3	3
Latin II—Livy	3	3
Latin III—Cicero and Tacitus Selections	3	3
Latin IV—Horace	3	3
Latin V—Plautus and Terence	3	3
Latin VI—Roman Civilization	3	3

Note:

To specialize in Latin, students must present not less than two years of secondary school Latin and demonstrate competence to specialize in this field.

Spanish

(First Field 24 S.H., Second Field 18 S.H.)

Required		
Elementary Spanish I and II	6	6
Intermediate Spanish I and II	6	6

	Clock Hours	Semester Hours
Introduction to Spanish Literature (Spanish V)	3	3
Spanish Conversation (Spanish VI)	3	3
Electives		
Advanced Spanish Conversation	3	3
Commercial Spanish	4	4
Spanish-American Literature	6	6
Contemporary Spanish Drama	6	6

GEOGRAPHY

(First Field 24 S.H., Second Field 18 S.H.)

Required		
World Geography	3	3
*Teaching of Geography in Secondary Schools	3	3
Restricted Electives		
At least one course must be chosen from each group.		
Group 1. Earth Studies		
Climatology	3	3
Geology	3	3
Meteorology	3	3
Physiography	3	3
Cartography	3	3
Group 2. Economics		
Economic Geography	3	3
Commercial Air Transportation	3	3
Conservation of Natural Resources	3	3
Geographic Influence in American History	3	3
Trade and Transportation	3	3
Group 3. Regional Studies		
Geography of Pennsylvania	3	3
Geography of Asia	3	3
Geography of Africa and Australia	3	3
Geography of Europe	3	3
Geography of Far East	3	3
Geography of Latin America	3	3
Geography of U.S. and Canada	3	3
World Problems in Geography	3	3
Field Courses (As approved)	3	3

*Required only when Geography is the First Field

MATHEMATICS

(First Field 24 S.H., Second Field 18 S.H.)

Students demonstrating competence to specialize in Mathematics will not be required to take Fundamentals of Mathematics.

Course Titles

	Clock Hours	Semester Hours
Required		
College Algebra	3	3
Trigonometry	3	3
Analytic Geometry	3	3
Calculus I (Differential)	3	3
Calculus II (Integral)	3	3
Teaching of Mathematics in Secondary Schools	3	3
Electives		
Advanced College Algebra	3	3
Synthetic Geometry	3	3
Spherical Trigonometry and Navigation	3	3
Statistics	3	3
History of Mathematics	3	3
College Geometry	3	3
Field Work in Mathematics	3	3
Calculus III	3	3
Mathematics of Finance	3	3

*Required only when Mathematics is the First Field.

SCIENCE

Biological Science

(First Field 30 S.H., Second Field 18 S.H.)

Required		
Botany I	6	4
Botany II	6	4
Zoology I	6	4
Zoology II	6	4
*Teaching of Science in the Secondary School	3	3
Restricted Electives		
(At least one course to be selected from each group below)		
Group 1. Field Courses		
Field Botany	5	3
Ornithology	5	3

		Clock Hours	Semester Hours
	Entomology	5	3
	Ecology	5	3
	Field Zoology	5	3
Group 2.	Laboratory Courses		
	Vertebrate Anatomy	5	3
	Physiology	5	3
	Microbiology	5	3
	Parasitology	5	3
	Genetics	5	3

*Required only when Biological Science is the first field.

Science in Modern Civilization is not required when the first field of specialization is in any science.

Basic Biology is not required when Biological Science is a field of specialization.

Chemistry

First Field 35 S.H., Second Field 18 S.H.)

Required

Inorganic Chemistry I	6	4
Inorganic Chemistry II	6	4
Qualitative Analysis	7	3
Quantitative Analysis	7	3
**Physics I	6	4
**Physics II	6	4
*Teaching of Science in the Secondary School	3	3

When Chemistry is the Second Field, the requirement should be eighteen (18) hours of Chemistry.

Electives

Organic Chemistry I	6	4
Organic Chemistry II	5	3
Biological Chemistry	6	3
Physical Chemistry	5	3
Colloidal Chemistry	6	3
Industrial Chemistry	5	3
Chemistry of Foods and Nutrition	5	3
Water Analysis	4	2

*Required only when Chemistry is the First Field.

**Will be counted as a part of the second field when Physics or Physical Science is the second field.

Science in Modern Civilization is not required when the First Field of specialization is any Science.

Basic Physical Science is not required when Chemistry is a field of specialization.

Field of Science

(First Field Only, 38 semester hours)

When the Field of Science is offered as a first field and another science offered as a second field, no credits earned in the first may be counted in the second field.

Required	Clock Hours	Semester Hours
Botany I	6	4
Botany II	6	4
Zoology I	6	4
Zoology II	6	4
Inorganic Chemistry I	6	4
Inorganic Chemistry II	6	4
Earth Science	3	3
Physics I	6	4
Physics II	6	4
*Teaching of Science in the Secondary Schools	3	3

*Required only when the Field of Science is the First Field. Science in Modern Civilization is not required when the First Field of specialization is any science.

Neither Basic Biology nor Basic Physical Science is required when the Field of Science is a field of specialization.

Physical Science

(First Field 30 S.H., Second Field 18 S.H.)

Required		
Inorganic Chemistry I	6	4
Inorganic Chemistry II	6	4
Physics I	6	4
Physics II	6	4
*Teaching of Science in the Secondary School	3	3

In order to meet the minimum certification in Physical Science, selected as a second field, the student should be required to take an additional three (3) credits in "courses definitely related to the physical sciences."

The requirements for a second field in Physical Science should be satisfied by "Chemistry, eight (8) semester hours, Physics, eight (8) semester hours, and one additional course in either Chemistry or Physics."

Electives

To be selected from Chemistry, Earth Science or Physics. Basic Physical Science is not required when Physical Science is a field of specialization.

*Required only when Physical Science is the First Field.

Physics

(First Field 35 S.H., Second Field 18 S.H.)

	Clock Hours	Semester Hours
Required		
Physics I	6	4
Physics II	6	4
**Inorganic Chemistry I	6	4
**Inorganic Chemistry II	6	4
*Teaching of Science in the Secondary School	3	3

When Physics is the Second Field the requirement is eighteen (18) semester hours of Physics.

Electives		
Magnetism and Electricity	6	4
Mechanics	6	4
Heat	6	4
Electronics	5	3
Optics	5	3
Sound	5	3
Physical Measurements	Variable	

*Required only when Physics is the First Field.

**Will be counted as a part of the Second Field when Chemistry or Physical Science is the Second Field.

Basic Physical Science is not required when Physics is a field of specialization.

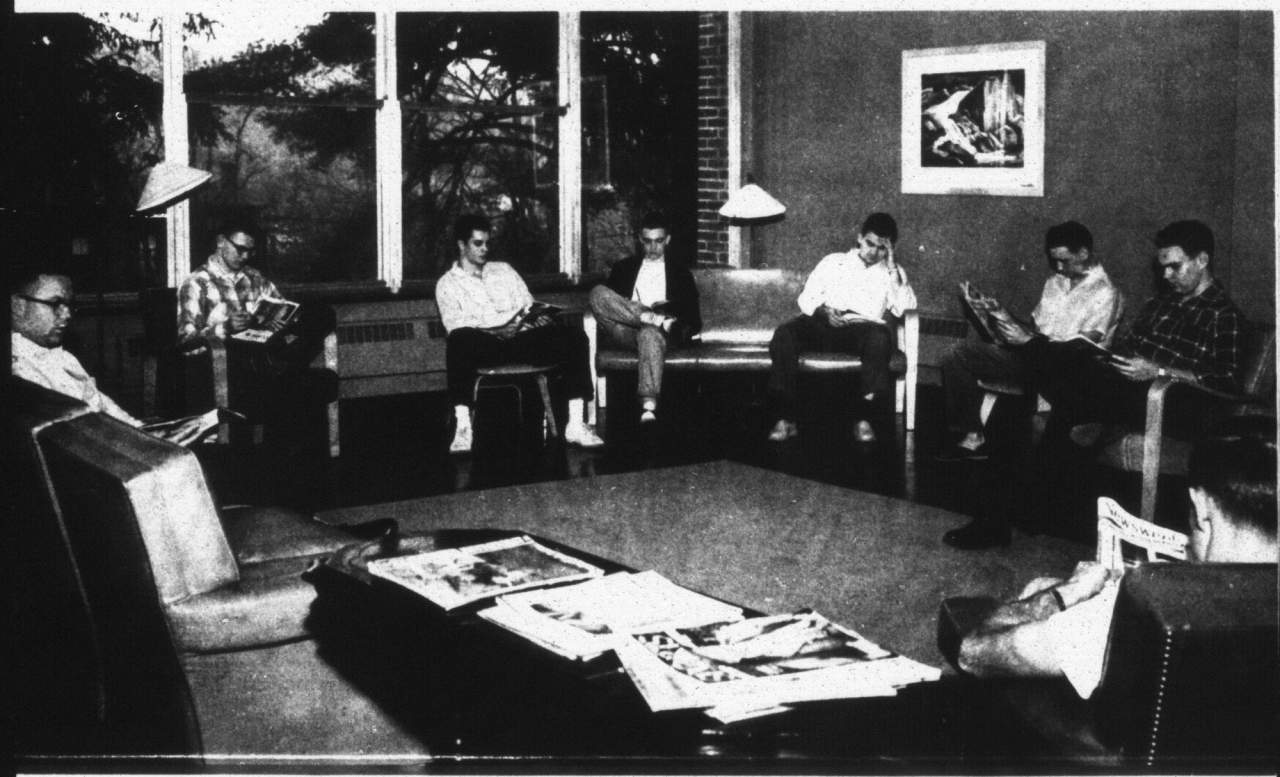
Science in Modern Civilization is not required when the first field of specialization is any Science.

Competency in Mathematics to carry the work of Physics is a prerequisite for specialization in Physics. Courses in College Algebra and Trigonometry are recommended.

HISTORY

(First Field 30 S.H., Second Field 18 S.H.)

Required	15
History of Civilization I	3-3
History of Civilization II	3-3



History of U.S. and Pennsylvania I 3-3
History of U.S. and Pennsylvania II 3-3
*Teaching Social Studies in Secondary Schools 3-3

Restricted Electives 15

(Students in History as a first field will elect at least one course in each group).

Group I — United States History
Contemporary United States History 3-3
American Constitutional History and Law 3-3
Diplomatic History of the United States 3-3

Group II — European History
History of Europe to 1815 3-3
History of Europe since 1815 3-3
Contemporary European History 3-3
Renaissance and Reformation 3-3

Group III — Regional History
History of Pennsylvania 3-3
History of England 3-3
History of the Far East 3-3
History of the Middle East 3-3
History of Latin America 3-3
History of the Twentieth Century World 3-3

*Required when History is the First Field.

SOCIAL SCIENCE

(Second Field only, 18 Semester Hours)

Required 18
Principles of Sociology 3-3
Principles of Economics 3-3

Electives

Group I — Sociology and Economics
Contemporary Social Problems 3-3
Contemporary Economic Problems 3-3
Industrial Relations 3-3

Group II — Political Science
Comparative Government 3-3
State and Local Government 3-3
International Relations 3-3
United Nations: Organization & Function 3-3

SOCIAL STUDIES

(First Field 36 S.H., Second Field 24 S.H.)

Required 27

History of Civilization I 3-3
History of Civilization II 3-3
History of U.S. and Pennsylvania I 3-3
History of U.S. and Pennsylvania II 3-3
American Government 3-3
Home and Family Living **or**
Introduction to Philosophy 3-3

Principles of Economics 3-3
Principles of Sociology 3-3
*Teaching Social Studies in Secondary Schools .. 3-3

Restricted Electives 9

(Students in Social Studies as a first field will elect at least one course from each group.)

Group I — Sociology and Economics
Contemporary Social Problems 3-3
Contemporary Economic Problems 3-3
Industrial Relations 3-3
American Economy

Group II — Political Science
Comparative Government 3-3
State and Local Government 3-3
International Relations 3-3
United Nations: Organization and Function ... 3-3

Group III — History
History of Europe to 1815 3-3
History of Europe since 1815 3-3
History of the Far East 3-3
History of Latin America 3-3
History of Pennsylvania 3-3
Analysis of Economic Thought 3-3

*Required only when Social Studies is the First Field.

GUIDANCE

Guidance certification may be added to any valid teaching certificate. Guidance teaching or counseling may be added as a second field only to those specializing in secondary education.

Requirements for Certification for Teaching the Subject of Guidance.

Required Courses: ..... 6 S.H.

Principles of Guidance 3-3
Occupational Information 3-3

Related Courses from: ..... 12 S.H.

Principles of Sociology, Principles of Economics, Contemporary Social Problems, Contemporary Economic Problems, Industrial Relations, Home and Family Living. Listed as Guidance subjects in Public Schools are Seventh Grade —School Opportunities; Eighth Grade — Occupations; and Ninth Grade — Guidance or Vocational Civics.

Required Courses for Certification for School Guidance Counsellors:

	C.H.
Principles of Guidance	3
Educational Tests and Measurements	3
Counselling Techniques	3
Occupational Information	3
Industrial Relations	3
Organization and Development of School Guidance Programs	3
Conduct of Student Activities	3

DRIVER EDUCATION AND TRAINING

A student who holds a valid certificate to teach will be issued an additional temporary standard certificate to teach highway safety education if he has completed twelve semester hours in courses in safety education and driver education and training. The temporary standard certificate so issued will become permanent after two years of successful experience in the field.

HOME ECONOMICS EDUCATION CURRICULUM

B.S. IN HOME ECONOMICS

(Sequence of Courses Subject to Change for Administrative Reasons)

FIRST SEMESTER

	Clock Hrs.	Sem. Hrs.
Communication I ..... or English I (3-3) and Speech I (2-2)	5	5
**Introduction to Music	3	2
Basic Biology	4	3
Health	2	2
Clothing I	6	3
Clothing Selection	3	2
	23	17

SECOND SEMESTER

	Clock Hrs.	Sem. Hrs.
Communication II .... or English II (3-3) and Speech II (2-2)	5	5
Basic Physical Science	4	3
**Introduction to Art	3	2
*Physical Education I	2	1
Professional Orientation .	3	3
Foods I	7	3
	24	17

THIRD SEMESTER

	Clock Hrs.	Sem. Hrs.
World Culture I ..... or Literature I (2-2) and History of Civilization I (3-3)	5	5
Principles of Design	4	2
Foods II	7	3
Bacteriology	4	3
*Physical Education II	2	1
Textiles and Clothing Economics	4	2
	26	16

FOURTH SEMESTER

	Clock Hrs.	Sem. Hrs.
World Culture II ..... or Literature II (2-2) and History of Civilization II (3-3)	5	5
Home Furnishings	4	3
Housing	2	2
Clothing II	6	2
Inorganic Chemistry	5	3
*Physical Education III	2	1
	24	16

FIFTH SEMESTER

	Clock Hrs.	Sem. Hrs.
General Psychology	3	3
Organic and Biological Chemistry	5	3
American Government ...	3	3
Household Care and Equipment	4	2
Home Economics Education	3	3
Clothing III	6	2
	24	16

SIXTH SEMESTER

	Clock Hrs.	Sem. Hrs.
U.S. History II, Including Pennsylvania .	3	3
Educational Psychology ..	3	3
World Geography	3	3
Consumer Economics	2	2
Nutrition	5	3
Student Teaching	12	3
	28	17

SEVENTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Family Relations	2	2
Professional Practicum Including School Law..	2	2
Home Care of Sick	3	2
Home Management	9	3
School Lunch Management	9	3
Elective	3	3
	28	15

EIGHTH SEMESTER

	Clock Hrs.	Sem. Hrs.
Audio-Visual Education ..	3	2
Child Development & Nursery School	6	4
Family Finance I.....	2	2
Student Teaching	15	6
	26	14

*Physical Education I, II, III may be individual or group activity.

**All or any part of these courses may be scheduled as a part of the unit in World Culture and the corresponding semester hours added to World Culture.

Total — 128 Semester Hours

MUSIC EDUCATION CURRICULUM

B.S. IN MUSIC EDUCATION

Sequence of Courses Subject to Change for Administrative Reasons

FIRST SEMESTER

	Clock Hrs.	Sem. Hrs.
Communication I ..... or English I (3-3) and Speech I (2-2)	5	5
Basic Biology	4	3
World Geography	3	3
Health	2	2
Solfeggio I	3	2
*Applied Music	6	2
	23	17

THIRD SEMESTER

World Culture I ..... or Literature I (2-2) and History of Civilization I (3-3)	5	5
Physical Education II .... (Eurhythmics II)	2	1
Solfeggio III	3	2
Theory of Music I	5	4
*Applied Music	9	3
Conducting I (Choral) ...	3	1
Survey of Music Literature	2	1
	29	17

FIFTH SEMESTER

History of the U.S. and Pennsylvania I ...	3	3
General Psychology	3	3
Theory of Music III	3	3
History of Music I	3	3
Methods I (Elementary) ...	4	3
*Applied Music	9	3
	25	18

SEVENTH SEMESTER

American Citizenship	6	6
Methods III (Instrumental).	3	2
Orchestration	3	2
*Applied Music	3	1
Music Elective	3	3
	18	14

SECOND SEMESTER

	Clock Hrs.	Sem. Hrs.
Communication II ..... or English II (3-3) and Speech II (2-2)	5	5
Basic Physical Science ... (Acoustics)	4	3
**Introduction to Art	3	2
Physical Education I ..... (Eurhythmics I)	2	1
Professional Orientation ..	3	3
Solfeggio II	3	2
*Applied Music	6	2
	26	18

FOURTH SEMESTER

World Culture II ..... or Literature II (2-2) and History of Civilization II (3-3)	5	5
Physical Education III	2	1
Audio-Visual Education ..	3	2
Theory of Music II	5	4
*Applied Music	9	3
Conducting II (Instrumental)	3	1
	27	16

SIXTH SEMESTER

Educational Psychology and Evaluative Techniques ..	3	3
Theory of Music IV	3	3
History of Music II	3	3
Methods II (High School)..	3	2
*Applied Music	9	3
	21	14

EIGHTH SEMESTER

Student Teaching and Direction of Student Activities	30	12
Professional Practicum including School Law ..	2	2
	32	14

*See course description for a specific outline of requirements and electives.

**All or any part of these courses may be scheduled as part of the unit in World Culture.

TOTAL — 128 Semester Hours

DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The Mansfield State Teachers College confers the degree of Bachelor of Science in Education upon Dental Hygienists meeting the following requirements:

1. (a) The satisfactory completion of an accredited two year curriculum for the preparation of Dental Hygienists.

   (b) This program is approved and licensed by the State Dental Council and Examining Board.

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:

A. Education		11
(1) Professional Orientation	3	
(2) General Psychology	3	
(3) Educational Psychology and Evaluative Techniques	3	
(4) Audio-Visual Education	2	
B. General Education		41
(1) Communication I and II	10	
(2) Fine Arts	4	
a. Introduction to Art	2	
b. Introduction to Music	2	
(3) Geography	6	
a. World Geography	3	
b. Geography of U.S. and Canada	3	
(4) World Culture I and II	10	
(5) Social Studies	11	
a. American Government	3	
b. Economics	3	
c. History of U. S. and Pennsylvania	3	
d. Sociology	2	
C. Electives		12
Total		64

In each category above, credit will be given for equivalent courses pursued in the two year Dental Hygiene curriculum. Electives may be chosen with the approval of the Dean of Instruction from any field or curriculum offered at the college in which the student is enrolled.

DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements:

1. The satisfactory completion of a three year curriculum in an approved school of nursing and registration by the State Board of Examiners for the Registration of Nurses of Penna.

2. The satisfactory completion of forty-five (45) semester hours of additional preparation distributed as follows:

A. Courses Related to Public Nursing

	Semester Hours
Public School Nursing	2
Public School Organization	2
Public Health Nursing	6
Nutrition and Community Health	2
Family Case Work	3
TOTAL	15

B. General and Professional Education

History of the United States and Pennsylvania	3
Communications	5
World Culture	5
American Government	3
Professional Orientation to Education	3
Educational Psychology	3
Audio-Visual Education	2
TOTAL	24
C. Electives	6
GRAND TOTAL	45

In the case of nurses with less than three years preparation for registration, such persons will pursue additional courses to meet the requirements for the degree. Electives may be chosen with the approval of the Dean of Instruction from any field or curriculum offered at the college.

COURSE DESCRIPTIONS

ART

Art for the Elementary Grades provides opportunity for students to develop powers of self-expression; to have experiences in the use of the fundamental elements and principles of art structure as they relate to two-dimensional expression, e.g. in the use of chalk, crayon, paint, etc.; to discover the relationship between his creative experiences and the art program for the elementary school; to provide the basis for an understanding and evaluation of children's work. **Two Semester Hours.**

Introduction to Art deals with art as a vital part of contemporary living. Art of other ages will be given some consideration as a basis for interpreting the present. Students will be encouraged to experiment with materials in order to understand the creative process. Through a variety of experiences an attempt will be made to help students develop an awareness of and a sensitiveness to all forms of art. **Two Semester Hours.**

EDUCATION

Audio-Visual Education stresses the use of audio-visual aids such as moving pictures, film strips, slides, wire and disc recorders, the opaque projector, and pictures to supplement and enrich the work of the school. Practical experience in the handling of Visual Education equipment and materials is provided. **Two Semester Hours.**

Child Adjustment emphasizes pupil adjustment through application of psychological and psychiatric principles. It presents the background of problem behavior through discussion and study of the influence on personality and mental deviation, physical deficiencies, sex, conflicts, unfavorable home conditions, and other personal and environmental limitations. **Three Semester Hours.**

Child Development aims to devlop an understanding and appreciation of the maturity patterns of the physical, mental, social, and emotional growth in the period of early childhood. Consideration will be given to local, state, and national agencies concerned with the welfare and education of early childhood. Opportunities will be provided for experience in learning situations in the family, school, and community environments. **Three Semester Hours.**

Child Psychology aims to develop a functional understanding of the maturation and learning of children from birth to adolescence. The campus schools are used as a laboratory for the purpose of implementing the basic facts and principles relating to childhood growth and motivation. **Three Semester Hours.**

Creative Activities in the Elementary School is a course designed to help students work with children in the creative arts. Emphasis is placed upon the child's needs to discover creative interests and upon the development of skills and refinements of taste needed for rich experience in art, music and literature. **Three Semester Hours.**

Diagnostic and Remedial Reading is designed to help the students prevent, diagnose, and correct reading difficulties. Students give standardized and informal tests. They learn to identify difficulties at various stages of child growth. They plan and carry through a program based on child needs. Students learn to select appropriate materials and teaching procedures for the correction of individual reading difficulties. Emphasis is placed upon the use of preventative and remedial techniques in everyday classroom teaching. This is conducted as a laboratory course. Prerequisite: Teaching of Reading. **Three Semester Hours.**

Educational Psychology and Evaluative Techniques is a study of the basic factors in the learning process with emphasis on the application of the principles of psychology to the problems of learning and teaching. An important aspect of the course is the study of actual classroom problems and procedures. **Three Semester Hours.**

General Psychology is a comprehensive study of the origins, motives, and modifications of human behavior with emphasis on the scientific approval in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing human living. Attention is given to the simpler techniques of psychological experimentation. **Three Semester Hours.**

General Safety Education is a course organized around four major areas; home safety, school safety, industrial safety, and traffic safety. Special emphasis is placed upon the teaching of safety — to make teachers safety conscious. A basic philosophy of safety education is presented. The principles of safety education, psychological as well as educational are interpreted. Methods in the organization and administration of safety programs are discussed. **Three Semester Hours.**

Highway Safety Education (Driver Education and Training) is a course that teaches a standard method of instructing beginning drivers. Instruction is given in the use of various tests such as reaction time, depth perception, and visual acuity. Statistics of the causes of accidents, psychology of the driver, physical fitness,

good traffic habits, how the automobile runs, and the pedestrian are discussed. Driver training in actual behind-the-wheel practice in a dual control car is a part of the course. Prerequisite: Pennsylvania Operator's License. **Three Semester Hours.**

Introduction to Philosophy will be concerned with an historical survey of the contributions of the outstanding philosophies both ancient and modern but always with a concern as to their contributions to the solution of the major issues of modern living. It will attempt to help in the individual's finding his place in the universe, to ascertain his purpose in living and give him help in the solution of the vital moral problems which he faces. **Three Semester Hours.**

Language Arts in the Elementary Grades is an integrated course designed to prepare teachers to develop the child's abilities in oral and written communication. Children's literature for the elementary school will be explored with a view to acquaint the prospective teacher with appropriate materials. Practice will be given in the selection, appreciation, and interpretation of the subject matter content in terms of children's interest. Audience situations in the Campus Schools provide an opportunity for practice in story telling. **Nine Semester Hours.**

Materials and Methods of Teaching Safety is designed for teachers and principals and consists of an evaluation of materials in various areas of safety and their adaptation to the school instructional program. Effective methods of teaching accident prevention are discussed and a complete school safety program is developed. **Three Semester Hours.**

Organization and Administration in Safety Education affords the student knowledge of the curriculum content and experiences for all school grades in safety education, its organization and graduation for teaching purposes, and ways and means of administering a safety education program. **Three Semester Hours.**

Pre-School Education aims to familiarize the student with the physical, mental, emotional, and social development of the child from birth until he is of school age. The value of regular habits of eating, playing, and sleeping are stressed. The language, play, and manipulative experiences which modify the child's behavior are considered in connection with regular assignments at the Campus Nursery School. **Three Semester Hours.**

Problems of Secondary Education including Guidance is the basic course in Secondary Education designed to aid the student in dealing with practical problems of secondary teaching. Major problems considered are school organization, administration, curriculum, extra-curricular activities, and home room practices. **Three Semester Hours.**

Professional Orientation is an orientation and guidance course designed to acquaint prospective teachers with the opportunities and requirements of their profession, the relationship of the school to society, the organization and administration of the American school system, and the pupil and the educational process. Extensive directed observation of various schools and learning situations will be required. **Three Semester Hours.**

Professional Practicum including School Law is a seminar type of practicum course offered during the senior year, preferably during the student teaching semester. The historical, philosophical, and legal background of education will be covered with the subject matter integrated. Attention will be given to the history and philosophy of education, professional organization and activities, the legal obligation of teachers and to the problems encountered by the students in their student teaching experiences. Consideration will also be given to the problems of placement and professional growth and development. **Two Semester Hours.**

Teaching of English in Secondary Schools is an introduction to professional requirements, opportunities, and specialized problems of English instruction. Student teaching background is afforded through exploring literature of the field, library projects, planning lessons and observing teaching, and participating in class projects under supervision. **Three Semester Hours.**

School and Community emphasizes group dynamics and leadership techniques of surveying community resources, needs, problems, and school-community inter-relationships are studied. Field trips and group activities are a required part of the course. **Three Semester Hours.**

Social Living in the Elementary Grades is a unified course, beginning with an analysis of democratic society and a short review of the nature of the child to determine teaching aims and objectives. Content will be drawn from the fields of mathematics, science, geography, economics, sociology, and history. Emphasis will be put upon the child's developmental needs for basic concepts and skills in each of these areas and upon place, function, and special contributions of each area in the child's unified learning. Ways of developing meaningful experiences in each area and ways of organizing content into social living units will be stressed. Basic activities will include full use of sensory materials and activities, committee work, and scientific problem solving. **Nine Semester Hours.**

Speech Problems is designed to acquaint the students with the various types of speech difficulties common to children in the elementary school. Emphasis is placed upon speech rehabilitation. Study is made of the materials, methods, and techniques which the classroom teacher uses in improving the speech of all children as well as giving special attention to the problem of the atypical. Practice with children is provided in the classroom. **Three Semester Hours.**

Student Teaching and Direction of Student Activities (Elementary) includes student teaching under expert supervision in the Campus Kindergarten and Elementary Schools. Special attention is devoted to management and planning, the integration of curricula, and the responsibility for creating and developing units of work. The emphasis is on the application of education theory. Twelve Semester Hours.

Student Teaching and Direction of Student Activities (Secondary), is the same as for Elementary except that the student teaching is done in the Campus Junior High School and the Borough Senior High School. **Twelve Semester Hours.**

Student Teaching and Direction of Student Activities (Home Economics) provides students an opportunity for teaching and observing in classes representing all phases of Home Economics. At least six weeks is completed in a vocational school of the state under the direction of a local supervisor and the guidance of the service area adviser from the Home Economics Education Department of the College. **Twelve Semester Hours.**

Student Teaching and Direction of Student Activities (Music) provides students, with assistance of supervisors, an opportunity to present all the music which is offered in the Campus Laboratory Schools. Through individual weekly conferences and monthly group conferences the students are helped in the solution of their teaching problems. Students are assigned to as many different age levels as possible. Most of them are able to acquire experience in primary, intermediate, junior and senior high school classes and organizations. **Twelve Semester Hours.**

Teaching of Arithmetic in the Elementary Grades aims to familiarize students with modern subject matter and instruction methods, the application of psychological principals of teaching, and present day requirements for efficient citizenship. **Three Semester Hours.**

Teaching of Art in the Elementary Grades provides art experiences involving the use of a variety of manipulative materials and activities concerned with structural and decorative design. Included are the designing and creation of objects using materials such as clay, paper, cardboard, wood, etc., into functional attractive articles. Here, also, emphasis is put on understanding the art program of the elementary school. **Three Semester Hours.**

Teaching of Children's Literature in the Elementary Grades promotes the development of appreciation and discrimination for children's literature through a study of materials in the field. It is designed to provide the prospective teacher with the techniques incidental to a well-integrated program of creative reading on the elementary level. **Three Semester Hours.**

Teaching the Exceptional Child deals with the study of children who need help in order to adjust and succeed to the extent of their capacity. Students are guided in recognizing, understanding and dealing with the additional needs of the superior child and the mentally, physically, or emotionally handicapped child. Emphasis is placed upon the selection, construction and adaptation of learning aids and materials. **Three Semester Hours.**

Teaching of Geography in Secondary Schools is an intensive study of the modern techniques of teaching geography, geographic materials, and current curricula in geography. Emphasis is placed upon the contributions of geography to the solving of national and world problems; the skills, habits, and attitudes to be gained from geography courses in the junior and senior high schools which aid in the development of world citizenship, the courses suitable for such groups, and the new books available at this level. **Three Semester Hours.**

Teaching of Health is designed to present the meaning, aim, and scope of school health and physical education in the schools. The units cover: Healthful School Living, Health Service, Health Instruction, Elementary Grade Activities in Physical Education, Lesson Planning and Practice Teaching. **Two Semester Hours.**

Teaching of Language in the Elementary Grades aims to give to prospective teachers an understanding of the English needs of children in the elementary grades. It includes the development of techniques in the teaching of reading, literary appreciation, and oral and written composition, and in penmanship. Also practice is afforded in the analysis of English tests and their administration. **Three Semester Hours.**

Teaching Mathematics in the Secondary Schools is designed to prepare teachers of mathematics for the modern high school. Topics treated include content of curriculum, objectives, current literature, methods of instruction, unit and lesson planning, evaluation, observation and participation. **Three Semester Hours.**

Teaching of Music in the Elementary Grades is designed to equip students in the Elementary Curriculum to teach music in the elementary grades. Fundamentals are reviewed, keyboard facility and the child's voice are studied, together with the five-fold music program of kindergarten through Grade Six. Observation with participation is a vital part of the classroom procedure and type lessons are taught by students and constructively evaluated by class and teacher. **Three Semester Hours.**

Teaching of Reading in the Elementary Grades affords the student an opportunity to study the various methods and materials used from early times to the present day; to consider the physical, mental, emotional, and social characteristics of children in learning to read; to modify classroom procedure; to promote library rather than textbook methods of study; and to become acquainted with the literature of the field. **Three Semester Hours.**

Teaching of Science in the Elementary Grades gives the prospective elementary teacher an acquaintance with the problems of teaching science in the school. The objectives of the elementary science program, the selection and evaluation of textbooks, sources of suitable literature, how to secure materials for instruction, the use of community resources, and the preparation of units and special techniques are studied. **Three Semester Hours.**

Teaching Science in Secondary Schools aims to give prospective teachers an understanding of the scientific method of problem solving. Included are studies of problems of instruction and methods and materials pertaining to the respective science courses, laboratory facilities and procedures; selection of texts, workbooks and manuals; correction of mathematical deficiencies; and the use of practical application, teaching aids and field trips are emphasized. Instructors of the respective sciences contribute from their fields. **Three Semester Hours.**

Teaching of Social Studies and Geography in the Elementary Grades involves an analysis and study of the concepts which underlie American democracy. Included is a study of the civic background a teacher should possess and of the ways in which the school environment can contribute to building up the outline of a course for the various grades. **Three Semester Hours.**

Teaching of the Social Studies in Secondary Schools is intended to familiarize prospective teachers with desirable methods which may be used in teaching the social studies. Emphasis is placed on the philosophy, objectives, courses of study, and the organization of subject matter for teaching purposes, curriculum materials, procedures and development. **Three Semester Hours.**

Teaching Spanish in the Elementary School is designed to develop minimum skills in pronunciation, aural comprehension, and speaking Spanish. The course is conducted on a conversational level. No previous knowledge of Spanish is required. The techniques used are such that students taking the course may feel secure in using them to introduce Spanish to elementary children. **Three Semester Hours.**

ENGLISH

Advanced Composition affords practice in expository, descriptive, argumentative, and narrative writing. Conventional accuracy of style is stressed but students who evidence such mastery are permitted to employ informal techniques. **Three Semester Hours.**

American Literature is a survey of American prose and poetry, with social implications, from colonial times to present. Selections are taken from major American authors, with emphasis on contemporary writing. Students are urged to examine the literature of their own country with thought, understanding, and appreciation. **Three Semester Hours.**

American Poetry offers the student of English an opportunity to broaden his knowledge and appreciation of the poetry of this country through study of whole compositions. The influence of a free environment upon subjects and techniques is noted. **Three Semester Hours.**

American Prose is a study of the most eminent American essayists, novelists, dramatists, and short-story writers based upon analyses of whole compositions. The contribution of American authors to world literature is emphasized. **Three Semester Hours.**

Children's Literature is primarily designed to familiarize the student with literary works and materials used in the junior and senior high school. **Three Semester Hours.**

Communication I and II are composite courses with Speech and provide practice in mastering ideas of others, in expressing one's own thoughts in writing and speaking, in developing ability to listen, observe and demonstrate effectively. **Ten Semester Hours.**

The following four traditional courses may be substituted for these courses: English I and II, Speech I and II.

Contemporary Novel deals with the development of the modern novel from 1870 to the present. Novels are read for enjoyment as well as for analysis of techniques and philosophy. **Three Semester Hours.**

Contemporary Poetry seeks to familiarize the student with the works and techniques of the most important Modern American and British poets from Whitman to Frost and Eliot. Appreciation is the chief objective of the course. **Three Semester Hours.**

Creative Writing provides practice in such types of writing as verse, editorial, essay, short story, and fiction. Advice is given to the student on submitting manuscripts for publication. Techniques of teaching creative writing in the secondary school are stressed. **Three Semester Hours.**

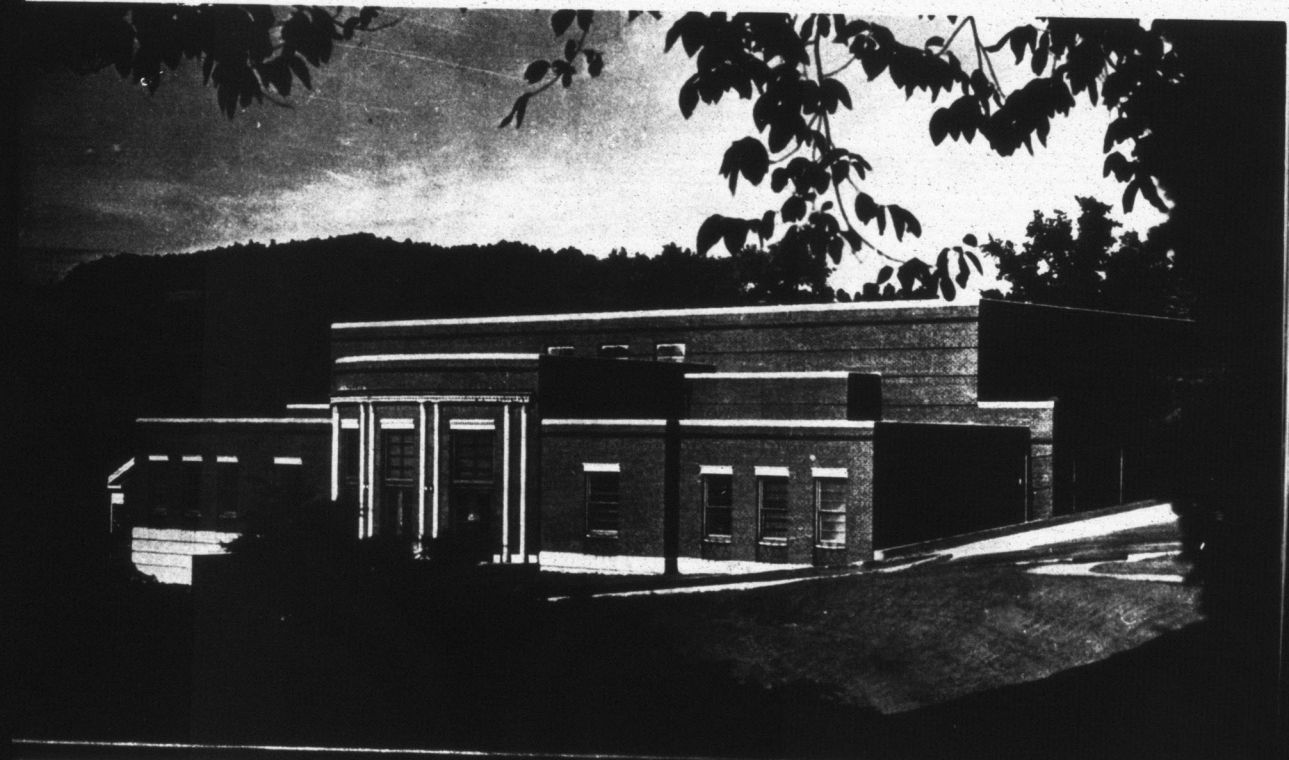
Criticism is a study of notable works from Aristotle to the present, with emphasis on continuity of critical concepts. **Three Semester Hours.**

Eighteenth Century Literature is a consideration of English life and literature between 1660 and 1800, especially the rise and descent of neo-classicism and the approach of romanticism. **Three Semester Hours.**

English I (including Library Usage) is a review of grammar in detail, analysis of construction, functional practice, remedial drill in punctuation, spelling, mechanics of English, and vocabulary study. Brief compositions are written and analyzed for structural faults and errors in diction. Library Usage, a separate unit additional to English I, is an introduction to the use of the Library taught by members of the college library staff. **Three Semester Hours.**

English II is a study and application of the laws of composition; methods and types of exposition; description and narration; paragraph and theme writing; analysis of literary samples; book reviewing; outlining; and assembling bibliography. Continued functional practice in mechanics is afforded. Prerequisite: English I. **Three Semester Hours.**

English Literature is a survey of English prose and poetry from Anglo-Saxon times to the present with the emphasis on notable masterpieces, particularly contemporary samples. The basic aims are a broader knowledge of English literature, as related to times and movements, and increased application. **Three Semester Hours.**



English Philology and Grammar is a scientific and historic study of the English language, including its origin, development and laws. Grammar and sentence structure are reviewed as related to language in development. **Three Semester Hours.**

Essay is a study of the development of the essay from Montaigne to the twentieth century; its place in modern literature; and the study of French, English, and American essays to reveal the spirit of their age and the authors' personal idiosyncrasies. **Three Semester Hours.**

Journalism deals with the role of the newspaper in today's world and also provides practice in developing the terse, colorful, forceful style which characterizes the best editorials, feature and news stories. It also aims to give students the knowledge and techniques they will require as advisers of school papers and magazines. **Three Semester Hours.**

Literature I is a survey course, in which a study is made of great English prose and poetry, beginning with the Anglo-Saxon heritage and ending with the Romantic Revival. It aims to show how the chronological development of literature has reflected the religious, economic, political, and social history of the British Isles. **Two Semester Hours.**

Literature II is designed not only to acquaint the student with the poetry and the prose of great American writers, but also to show how these works, from the days of Benjamin Franklin to the present have reflected the thought and the life of this nation. Emphasis is placed on trends as well as on the function of literature as a mirror of social development. **Two Semester Hours.**

Literature of Biography is a study of this type of composition from the time of Plutarch to the present. Emphasis is placed upon its influence on other literary forms and upon its significance today. **Three Semester Hours.**

Modern Drama is a study of the theater from the time of Ibsen to the present with emphasis on new techniques of dramatic composition and production. **Three Semester Hours.**

Pre-Shakespearean Literature is a seminar in English literature from Anglo-Saxon times to 1590, with reference to the chronicle, metrical romance, ballad, Chaucer and his contemporaries. Emergence of the drama, Arthurian legend, introduction to Spenser, important prose of the times, and Shakespeare's predecessors and contemporaries in playwriting are discussed. **Three Semester Hours.**

Romantic Movement sets forth the important part played by English writers of prose and poetry in that great humanitarian movement known as the Romantic Revival (1798-1832.) The writers of the period are presented as reflecting and likewise stimulating a social upheaval. **Three Semester Hours.**

Shakespeare is a study of Shakespeare's works and times with detailed consideration of certain representative plays. Each student is required to prepare, as a model, a teaching plan for one play usually taught in high school. **Three Semester Hours.**

Short Story deals with this literary form in respect to philosophical and psychological implications, as well as techniques of style. Representative works of American, British, and continental story-tellers are analyzed. **Three Semester Hours.**

Speech I is a study and application of fundamental principles of effective speaking; training in selection, organization, and development of material suitable for speeches; recording and analysis of voice; emphasis on personality adjustment as related to speaking-listening situation; and diacritical marking and vocabulary building. **Two Semester Hours.**

Speech II is a continuation of Speech I with special emphasis on group discussion and parliamentary procedure; expository, narrative, and descriptive material; speeches for special occasions; and interpretative or choral reading. **Two Semester Hours.**

The Novel to 1870 is a study of the rise and development of the English and American Novel from the predecessors of Defoe to Hardy and Twain. Major novels are reviewed and analyzed. **Three Semester Hours.**

Victorian Literature is concerned with the most important English poets and essayists from about 1830 to 1900. **Three Semester Hours.**

World Culture I and II is a survey of the evolution of man's culture — his governmental, economic, social, religious, intellectual, and aesthetic activities from beginning of the race to the present time. **Ten Semester Hours.**

FOREIGN LANGUAGES

French

French I and II are designed to develop basic skills in pronunciation, aural comprehension, speaking, and reading. Selection of course materials emphasizes social and cultural values. For the non-major and minor additional provision is made in the case

of the elementary teacher for practice in the development of foreign language and area units as suggested in the Pennsylvania Department of Public Instruction Bulletin 233-B, the Elementary course of Study, and in the case of secondary teachers for the correlation of foreign language learnings with the other secondary areas of teaching. **Six Semester Hours.**

French III and IV although they include grammar review, emphasize independent reading and further development of skill in aural comprehension and speaking. Activities and materials focus on our acquaintance with the language area — its history, arts, literature, and customs — which will be applied to the formation of attitudes and judgments related to current living. Prerequisite: French I and II, or at least two years of French in high school. **Six Semester Hours.**

French V and VI (Survey of Literature) consists of selected readings from authors whose works throw light upon current problems of social living. Form and oral expression are taught in the frame-work of the literature read. Prerequisite: French IV. **Six Semester Hours.**

French VII (Advanced Language and Techniques) emphasizes the ability to speak and write the foreign language, and the techniques necessary for the foreign language teacher. Prerequisite: French IV. **Three Semester Hours.**

French VIII (French Classical Drama) studies the masterpieces of Corneille, Moliere, and Racine, after a consideration of the early history of the drama. Prerequisite: French IV. **Three Semester Hours.**

French IX (French Literature of the 19th Century) includes the development of both the romantic and naturalistic schools. Prerequisite: French IV. **Three Semester Hours.**

French X (Development of the French Novel) consists of readings and discussions in the native language of representative novels of the eighteenth, nineteenth and twentieth centuries. **Three Semester Hours.**

German

(This area will be offered if warranted by sufficient demand)

German I and II are designed to develop basic skills in pronunciation, aural comprehension, speaking, and reading. Selection of course materials emphasizes social and cultural values. For the non-major and minor additional provision is made in the case of the elementary teacher for practice in the development of foreign

language and area units as suggested in the Pennsylvania Department of Public Instruction Bulletin 233-B, the Elementary Course of Study, and in the case of the secondary teachers for the correlation of foreign language with the other secondary areas of teaching. **Six Semester Hours.**

German III and IV emphasize independent reading and further development of skill in aural comprehension and speaking. Activities . . and materials focus on our acquaintance with the language area—its history, arts, literature, and customs—which will be applied to the formation of attitudes and judgments related to current living. Prerequisites: German I and II or at least two years of German in high school. **Six Semester Hours.**

German V and VI (Survey of German Literature) studies the outstanding writers and literary movement. Activities include supplementary reading, oral and written reports and critiques. Prerequisite: German IV. **Six Semester Hours.**

German VII (Intensive Grammar and Teaching Techniques) emphasizes the ability to write and speak the foreign language through intensive study of the structure of the language. Prerequisite; German IV. **Three Semester Hours.**

German VIII (Advanced Conversation and Composition) develops the capacity to use the everyday language in both oral and written communication with natives. Prerequisite: German IV. **Three Semester Hours.**

German IX (Special Projects) is designed to satisfy any special need of a group as may arise. It may be utilized for further training in speaking the language, scientific usage, field trips abroad, etc. **Three Semester Hours.**

German X (The Drama in German Literature) is a survey of classical and modern drama in Germany, followed by more detailed study of the dramatic writings of Lessing, Goethe, and Schiller. Prerequisite: German IV. **Three Semester Hours.**

German XI (Lyric Poetry in German Literature) consists of readings of a wide selection of lyrics in order to create an appreciation and understanding of the importance of contributions made by German lyricists to world literature. Prerequisite: German IV. **Three Semester Hours.**

Latin

(This area will be offered if warranted by sufficient demand)

Latin I (Ovid and Virgil) is designed to bridge the gap between high school and college Latin by the use of material similar to

that used in the fourth year of high school Latin. Selections from Ovid's Metamorphoses and from Virgil's Ecologues and Bucolics are studied, with special usages, and life in the classical world. In connection with the course, thorough drill is given in Latin forms, construction, and figures of speech. **Three Semester Hours.**

Latin II (Livy) is a study of Latin prose based on Books, I, XXI, and XXII of this author. Included is a review of prose construction together with a study of new construction, especially those peculiar to Livy. Class discussion is centered around such topics as the historical value of legendary material and the comparison of Livy's historical method with that of other historians. **Three Semester Hours.**

Latin III (Cicero and Tacitus) includes a study of Cicero's De-Senecute and DeAmicitia, and of selections chosen from Tacitus' Germania and Agricola. Both units of work should give abundant opportunity for enriching the student's experience with different types of Latin literature. **Three Semester Hours.**

Latin IV (Horace) aims to foster an appreciation of Latin lyrical poetry through a study of Horace's Odes. Topics stressed are Horace's philosophy of life, the social and political life of the Augustan Age, and the chief lyrical meters employed. **Three Semester Hours.**

Latin V (Plautus and Terence) concerns itself with the development of Roman drama and the translation of one play by each of these dramatists. The two are contrasted not only as to point of view and literary style, but also as to the different groups for which they wrote. **Three Semester Hours.**

Latin VI (Roman Civilization) is designed to provide the prospective Latin teacher with an opportunity to review the texts which he must use and to round out the cultural background necessary for successful Latin teaching. In this connection, the student is required to organize instructional materials acquired through his previous study of the classics. **Three Semester Hours.**

Spanish

Spanish I and II are designed to develop basic skills in pronunciation, aural comprehension, speaking, and reading. Selection of course materials emphasizes social and cultural values. For the non-major and minor additional provision is made in the case of the elementary teacher for practice in the development of foreign language and area units as suggested in the Pennsylvania Department of Public Instruction Bulletin 233-B, The Elementary Course of Study, and in the case of secondary teachers for the correlation of foreign language learnings with the other secondary areas of teaching. **Six Semester Hours.**

Spanish III and IV (Intermediate Spanish I and II) although they include grammar review, emphasize independent reading and further development of skill in aural comprehension and speaking. Activities and materials focus on our acquaintance with the language area — its history, arts, literature, and customs — which will be applied to the formation of attitudes and judgments related to current living. Prerequisite: Spanish I and II or at least two years of Spanish in high school. **Six Semester Hours.**

Spanish V (Spanish Literature) studies outstanding writers and literary movements. Activities include supplementary reading, oral and written reports and critiques. Prerequisite: Spanish IV. **Three Semester Hours.**

Spanish VI (Spanish Conversation) stresses the oral-aural approach to language learning. Activities include reading, discussion of material read, dramatizations, dictados, and reports. Prerequisite: Spanish IV. **Three Semester Hours.**

Spanish VII (Spanish-American Literature) studies outstanding writers and literary movements. Activities include supplementary reading, oral and written reports and critiques. Prerequisite: Spanish IV. **Three Semester Hours.**

Spanish VIII (The Short Story in Spain and America) is a survey of the cultivation of the genre. There are readings from the works of Pardo Bazan, Valle Inclan, Juan Valera, Jose Ruben Romero, Rafael Delgando, Horacio Quiroga, Robert Payro, and others. The work includes oral and written reports and critiques. Prerequisite: Spanish IV. **Three Semester Hours.**

Spanish IX (The Novel in Spain and America) studies the development of the novel. Representative types such as the pica resque novel, the psychological novel, the novel of social thesis, the regional novel, and the historical novel are analyzed. There are readings from Cervantes, Le Sage, Valera, Pereda, Galdos, Blasco Ibanez, Baroja, Alarcon, Palacio Valdes, Lopez y Fuentes, Azuela, Galvez, Gallegos, and others. The work includes oral and written reports and critiques. Prerequisite: Spanish IV **Three Semester Hours.**

Spanish X (The Drama in Spain and America) is a review of the history of the theatre and various dramatic forms such as the classic drama of the "siglo de oro," the romantic movement, the realistic theatre, and the genero chico. There are readings from Lope de Vega, Calderon, Tirso de Molina, Echegaray, Rivas, Juana Inez de la Cruz, Alarcon, Benavente, Los Quinteros, Arniches, Florencio Sanchez, and others. This course includes oral and written reports, critiques, and dramatic readings. Prerequisite: Spanish IV. **Three Semester Hours.**

Spanish XI (Mexican Literature) is a chronological survey of outstanding works in the prose and poetry of Mexico, pointed toward clarification of Mexican history and contemporary writings. The work includes oral and written reports and critiques. Prerequisite: Spanish IV. **Three Semester Hours.**

Spanish XII (Intensive Grammar and Teaching Techniques) emphasizes the ability to write and speak the foreign language through intensive study of the structure of the language. **Three Semester Hours.**

Spanish XIII (Advanced Conversation and Composition) aids the development of facility in using the everyday language in both oral and written communication with people to whom the language is native. **Three Semester Hours.**

Spanish XIV (Special Projects) is designed to satisfy any special needs of a group as may arise. It may be utilized for further training in speaking the language, commercial usage, summer field trips, etc. **Three Semester Hours.**

GEOGRAPHY

Cartography deals with techniques necessary for the proficient use and interpretation of maps, models, globes, cartograms, and geographic diagrams. The selected map projections will be approached from the geographical rather than the mathematical point of view. Emphasis is placed on the history of maps, the development of signs, symbols, and map scales, the construction of projections, graphs, and diagrams. **Three Semester Hours.**

Climatology is primarily concerned with the climatic regions of the earth, and with limitations and advantages they offer for man's occupance. The course is a valuable aid to students in world problems in the conservation of our natural resources of land,

Conservation of Natural Resources deals with the present problems in the cons conservation of our natural resources of land, water, plant, animal life, and mineral deposits; suggests ways of solving these problems; and discusses the wide use of these resources. **Three Semester Hours.**

Economic Geography develops an understanding of world patterns of producing and consuming regions, population distribution, and world trade routes and the related natural factors. It also deals with the application of this information to securing a fundamental understanding of national and international problems. **Three Semester Hours.**

Geography of Africa and Australia is a regional study of Africa, Australia and the neighboring islands showing the economic and social development of the regions of these lands and their relationship to the physical environment and the political affiliations of these lands with other countries. The geographic aspects of the problems of colonies, land tenure, race, future land use, and the strategic importance of Africa are considered. Prerequisite: World Geography. **Three Semester Hours.**

Geography of Asia comprises a study of the major geographic regions of the Soviet Union, Southwestern Asia, and subcontinent of India. Special emphasis is placed on the natural resources and their use, the peoples – their number and distribution, their culture and recent economic changes, strategic areas, and related problems. Prerequisite: World Geography. **Three Semester Hours.**

Geography of Europe is a regional course aimed to help the student acquire an ability to locate and apply the geographic relationships underlying land uses, dominant international problems, and boundary disputes, thus enabling students to obtain an unbiased understanding of the economic problems of Europe. The Soviet Union is not included in this course. Prerequisite: World Geography. **Three Semester Hours.**

Geography of the Far East includes a study of Japan, China, the Philippines, Southeastern Asia, and the East Indies, and comprises an intensive investigation of the natural factors and man's adjustment to them in the geographic, economic, and political regions of Eastern Asia. The geographic background needed in planning solutions for raising standards of living, for the wise use and restoration of natural resources, and the industrialization of countries is presented. Prerequisite: World Geography. **Three Semester Hours.**

Geography of Latin America is a regional study made of Middle and South America. Special emphasis is given to regional differences and similarities. Latin-American relations with other nations, especially with the United States, are stressed. Prerequisite: World Geography. **Three Semester Hours.**

Geography of Pennsylvania is a regional approach to an understanding of the topographical features of the State, including land forms, drainage, climate, occupations, resources, present-day trends in conservation, and man's adjustment to these factors. Time is given to the regional planning program which the Commonwealth is emphasizing. Field trips to nearby points of interest are an integral part of this work. Prerequisite: World Geography, Geography of the United States and Pennsylvania. **Three Semester Hours.**

Geography of the United States and Canada is a regional study of the United States and Canada relative to man's adjustment to his environment as determined by the physical factors of climate, vegetation, relief and soils. The political adjustments to the geographic environment are recognized and the interrelations between the two countries and the rest of the world is discussed. Prerequisite: World Geography. **Three Semester Hours.**

Geography of the United States and Pennsylvania provides a comprehensive treatment of the adjustment of the people of the United States and Pennsylvania to the physical factors — structure, relief, climate, vegetation, soils, and natural resources — which help to explain the distribution of population, land use, products, and trade within the United States and with other parts of the world. Prerequisite: World Geography. **Three Semester Hours.**

Geology attempts to answer questions pertaining to the natural features of the earth. Its origin and the present major landforms, as well as the changes that occur through erosion, glaciation, diastrophism, volcanism, metamorphism, etc., are emphasized. **Three Semester Hours.**

Meteorology is a study of the atmosphere. This course analyzes the laws underlying principles of atmospheric changes. An opportunity is given for students to become familiar with common weather instruments, to read and interpret weather maps, to observe and record weather data, and discuss problems rising from the use of the atmosphere as a medium of travel and transportation. Prerequisite: World Geography. **Three Semester Hours.**

World Geography is designed to develop a knowledge and appreciation of patterns of the natural environment throughout the world such as patterns of climate, soil, vegetation, and man's adjustment to them, with special emphasis upon man's economic and cultural responses. **Three Semester Hours.**

World Problems in Geography considers geographic background necessary for the understanding and solution of international problems. Attention is given to boundary questions, the value and control of colonies, fishery agreements, problems concerning commercial aviation, world trade, the feeding of the world, control and development of natural resources. Prerequisite: World Geography. **Three Semester Hours.**

The college is approved to offer the following courses which are not regularly scheduled but presented when there is sufficient demand:

Commercial Air Transportation
Field Courses in Geography
Geographic Influence in American History
Trade and Transportation

HEALTH AND PHYSICAL EDUCATION

Health provides consideration of the physical and mental equipment of the individual with the idea that practical application will be made in personal community living. **Two Semester Hours.**

Physical Education I, II, III places emphasis on the development and use of fundamental skills and techniques of selected seasonal individual, dual, and team physical educational activities. Efforts will be made to have the student achieve a fair degree of physical fitness; develop game knowledge; enhance habits of loyalty, cooperation, self-control and courtesy; and develop play habits to be used in leisure time. **One Semester Hour Credit for each Course.**

HOME ECONOMICS

(Required and elective courses available only to students following the Home Economics Education curriculum.)

Bacteriology gives the students an appreciation of microorganisms in their relation to mankind. The relationship of microorganisms to their environment is emphasized. The activities of microorganisms which are of economic importance are especially stressed. Special attention is given to bacteriology in its applications to personal, home and community problems. A unit on immunity is included. Throughout the course an attempt is made to arouse the student's interest in recent bacteriological developments. Bacteriology makes a fine contribution to the student's cultural background. The course includes both discussion and laboratory work. **Three Semester Hours.**

Child Development and Nursery School treats of the manifold growth of the child — physical, mental, emotional, social — from the pre-conceptional period to school entrance age. Students have an opportunity to learn of these developmental phases through real contacts with children in a play school situation. Emphasis is placed on the child as an individual and the adult's opportunity and responsibility of assisting the child toward his optimum development. **Four Semester Hours.**

Clothing I includes the study and application of clothing construction. Techniques in construction processes are developed through practice in the making of actual garments by each student. **Three Semester Hours.**

Clothing II aims to develop further the techniques and abilities in clothing construction and to assist in preparing the student for practice teaching in clothing. The use of a variety of fabrics and

patterns is emphasized. Illustrative material for teaching clothing is prepared. Each girl makes two articles for herself and a child's garment. **Two Semester Hours.**

Clothing III is designed to give additional practice in the development of abilities and techniques in construction of clothing. A study of the processes involved in flat pattern designing is made and a practical problem is completed. Tailoring, as it is applied in a coat or suit, is also a practical study made during this semester. **Two Semester Hours.**

Clothing Selection gives the student an opportunity to apply the principles of design and color to herself. The human figure, irregularities of form, and methods of concealing such irregularities are studied. It also aims to create a consciousness of the value of being well groomed and to develop techniques for accomplishing this. **Two Semester Hours.**

Consumer Economics aims to give the individual a sound fundamental understanding of her situation as a consumer buyer. A study of problems involved in production and merchandising is also made. **Two Semester Hours.**

Family Finance deals with personal and family financial problems and the underlying economic principles which relate to them. It considers ways of increasing one's real and psychic income through the wise planning of expenditures from money income, the planning of home production activities and the optimum use of social income resources. Special problems dealt with include insurance, banking, investments, installment buying and credit. **Two Semester Hours.**

Family Relations is among the most interesting studies of the entire course. Here, each student has an opportunity to study home situations and to discuss personal problems. While certain background information in connection with the history of the family is studied, the principal emphasis is placed on the lives of children in the intimate environment of the home. **Two Semester Hours.**

Foods I is a fundamental course in the study and application of principles of meal planning and food selection, preparation, and serving. The laboratory work provides an opportunity for the development of good habits of work, the gaining of experience in the best practices relative to food preparation and serving, and the knowledge and application of high standard products. A unit in Marketing helps to develop an appreciation of food marketing and consumer problems. As a part of the course requirement students prepare teaching materials for each of the units studied. **Three Semester Hours.**

Foods II aims to educate students in wise food selection and menu planning. The study and the preparation of foods for family dinners are stressed. Guest meals and other special food service problems are managed by student groups. The same general plan for laboratory work is followed as in Foods I. A unit in Food Preservation is included. **Three Semester Hours.**

Home Care of the Sick aims to develop a better understanding of some of the routine health problems faced by families and ways of minimizing the discomfort and other effects of minor illnesses. Opportunity is arranged for student practice of home nursing procedures and a nearby hospital is visited for observation purposes. **Two Semester Hours.**

Home Furnishing relates the principles of design to interior and exterior decorating problems of the home. Studies are made of house plans and furnishings. Remodeling, refinishing, and making of furniture from old furniture or boxes are practical problems of this course. **Three Semester Hours.**

Home Management consists of several weeks' stay in a living unit with a resident instructor. During this period each student has an opportunity to develop her managerial skill in relation to the various aspects of homemaking, such as meal planning and preparation, shopping, record keeping, laundering, cleaning and entertaining. In this course students are expected to put into practice the principles learned in all homemaking courses. **Three Semester Hours.**

Household Care and Equipment involves a study of the efficient use and care of those major devices used in the home which make for good management. It includes, further, a consideration of the principles and practices which are most effective for the usual household tasks of laundering, cleaning, food preparation, etc. Emphasis is placed on the human elements which enter into the wise use of time, energy, aptitudes, skills and other family resources. **Two Semester Hours.**

Housing offers the student some general understandings of the aspects of satisfactory housing: floor plans for convenience, comfort, and aesthetic values; the relative costs and problems involved in the use of different building materials; choice of heating and plumbing; housing maintenance and its relation to the plant itself; the relative values of building, buying and renting; the choice of home sites; and some of the legal aspects of housing. **Two Semester Hours.**

Inorganic Chemistry is designed to give the student a good fundamental knowledge of general chemical processes, acids, bases, salts, atomic structure, valences, of molar and normal solutions, PH measurement, and of oxidation-reduction relations. **Three Semester Hours.**

Nutrition is approached from the viewpoint of positive health. Fundamental principles showing the relationships of food and health are stressed. Study is made of the qualitative and quantitative needs of individuals, interdependence of dietary essentials, dietary contributions of foods and relative costs. Adequate diets are planned for individuals and familes on varying income levels. Emphasis is also placed on nutrition teaching materials. Feeding experiments with albino rats are carried out by the class. The course includes both discussion and laboratory work. **Three Semester Hours.**

Organic and Biological Chemistry is designed to give the student an understanding of hydrocarbons, alcohols, aldehydes, organic acids, cyclic compounds, etc. Also a detailed study of the chemistry of fats, carbohydrates, and protein foods and the functions and fate of these in human metabolism is given. **Three Semester Hours.**

Principles of Design is a course affording the student an opportunity to develop creative ability and to experiment with several media. Experience is given in applying design elements and principles to art products for personal and home needs. **Two Semester Hours.**

School Lunch Management includes both instruction and experience essential to qualify the home economics teacher to successfully carry out a school lunch program. Emphasis is placed on planning, preparing and serving lunches that are nutritionally adequate and appealing in taste and color and on a sound financial basis. Each student taking this course has experience in all phases of school lunch management. A school lunch is actually carried out in the campus schools which is on the National School Lunch Program. **Three Semester Hours.**

Textiles and Clothing Economics is planned from the viewpoint of the consumer. The cost, upkeep, wearing quality and handling of fabrics is emphasized. Laws which affect the sale of certain fabrics in the local area are studied. Students learn to recognize some of the more common fabrics. **Two Semester Hours.**

MATHEMATICS

Advanced College Algebra studies the theory of equations; determinants; partial fractions; series; complex numbers; and further

developments of permutations, combinations and probability. Prerequisite: College Algebra. **Three Semester Hours.**

Analytic Geometry is a correlation of algebra and geometry in finding equations of loci and loci corresponding to certain equations; properties of the straight line, the circle and conic sections; rectangular and polar coordinates; transformation of coordinates; parametric equations; and a brief introduction to solid analytic geometry. Prerequisites: College Algebra and Trigonometry. **Three Semester Hours.**

Calculus I (Differential) considers elementary concepts of limits and the derivative; applications of the derivative in problems of maxima and minima, rates, velocity, acceleration; and possible introduction of integration as the inverse of differentiation. Prerequisite: Analytic Geometry. **Three Semester Hours.**

Calculus II (Integral) considers integration as the inverse of differentiation. Formulas of integration, the definite integral, methods of integration, integration as the limit of a sum applied to areas, volumes, lengths of curves and other practical problems are stressed. Prerequisite: Calculus I. **Three Semester Hours.**

Calculus III is a continuation of the calculus to include series, additional work in partial differentiation, multiple integrals, and elementary differential equations. Prerequisite: Calculus II. **Three Semester Hours.**

College Algebra considers fundamental operations; factoring; fractions, exponents, functions and their graphs; linear, quadratic and systems of equations; proportions and variation; progressions; mathematical induction; logarithms; determinants; and permutations and combinations. Prerequisites: 1 year high school algebra and 1 year high school geometry. **Three Semester Hours.**

College Geometry gives the student a thorough preparation for teaching plane geometry. Effective methods of attack in solving problems are carefully analyzed and applied. Special effort is made to correlate the material studied with that of the high school. Representative topics are: geometric construction based on loci and indirect elements; similar and homothetic figures, properties of the triangle, Menelaus's theorem and Ceva's theorem, harmonic properties of circles, inversion and recent developments in geometry. **Three Semester Hours.**

Field Work in Mathematics applies mathematics to the enrichment of secondary school mathematics. Use of the transit, angle mirror, hypsometer, sextant and other measuring devices; simple

map making exercises and elementary surveying; and the construction and use of student-made instruments and teaching devices are major considerations. **Three Semester Hours.**

Fundamentals of Mathematics deals with the development of the number system; nature and application of fundamental processes; extension of the number system to include common and decimal fractions and negative numbers; approximate nature of measurements; per cents; language of algebra including formulas, graphs, tables, and equations; meaning of proof; elementary concepts of statistics; art of indirect measurements; and additional topics of interest to students. **Three Semester Hours.**

History of Mathematics furnishes a cultural backround in the field of elementary mathematics. Emphasis is placed on the history of the development of the number systems of elementary mathematics, computational devices, mathematical symbolism, space concepts and simple logical processes. Other topics considered are: methods of problem solving, historical references in teaching, mathematical recreations, and the biographies of outstanding mathematicians. Prerequisite: Analytic Geometry. **Three Semester Hours.**

Mathematics of Finance is an introduction to the elementary theory of simple and compound interest with the solution of problems in annuities, sinking fund, amortization, installment buying, and the mathematics of life insurance. **Three Semester Hours.**

Spherical Trigonometry and Navigation studies the solution of the right and oblique spherical triangles with emphasis on their practical application, especially in the field of navigation. **Three Semester Hours.**

Statistics deals with basic principles and methods of statistics common to scientific research; understanding of and ability to use graphs, frequency distribution, measures of central tendency and dispersion; normal curve; correlation; regression and prediction; reliability of statistical measures; curve fitting; and development of formulas. **Three Semester Hours.**

Trigonometry considers the functions of an angle; logarithms; use of tables; radians; identities; trigonometric and exponential equations; solution of triangles by natural functions and logarithms; inverse functions; complex numbers; and application of these processes to practical problems. **Three Semester Hours.**

MUSIC

General

Introduction to Music is organized on a unit basis. It is devoted to a study of the various types of musical expression and the incidental consideration of representative composers. The text-book, recordings and classroom discussion are supplemented by assigned readings. As each unit is developed it is related to its social, artistic and political background. **Two Semester Hours.**

Music for the Elementary Grades aims to acquaint the student with the music techniques and materials to be used in the elementary school. The course includes a study of the elements of music theory, the techniques of music reading and of song interpretation, and the problems of the child voice. **Two Semester Hours.**

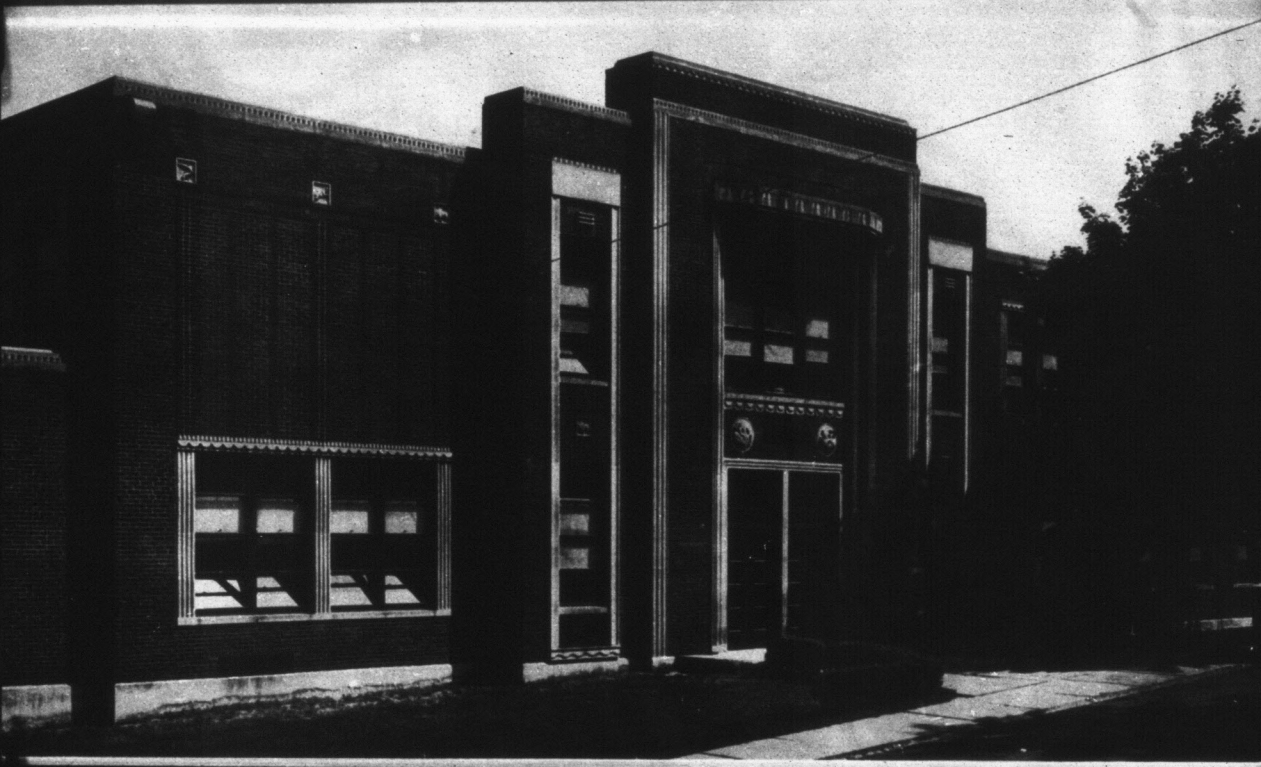
(The following are required and elective courses available only to students following the Music Education curriculum)

Advanced Harmony is designed to provide the interested student with an opportunity to develop his understanding and facility in the use of harmonic idioms and practices beyond those developed in the required harmony courses. Specific problems will include the study on an advanced level of chromatic harmony, modulation to remote keys, and the more common contemporary practices. Assignments will consist for the most part in the composition of original examples. Analysis of excerpts from the monuments of music literature will be given considerable attention. Stress will be placed on the individual harmonic practices of the great masters of musical composition. **Three Semester Hours.**

Advanced Music Literature is a course designed to afford the individual student an opportunity to make a more extensive and intensive study of certain areas of music literature of his own selection. **Three Semester Hours.**

American Music aims to trace the evolution of a national style of composition from the earliest known American composers to the present day, and to acquaint the student with representative works of outstanding contemporary American composers. **Three Semester Hours.**

Applied Music in this curriculum serves two purposes; that of developing the musicianship of the individual student; and that of providing the prospective teacher with the knowledge and techniques of various media needed for conducting an effective music program in the public schools. Following are minimum requirements for graduation.



1. Knowledge of the playing fundamentals of the following instruments: Violin, Cello, Viola, String Bass, Clarinet, Flute, Cornet, Trombone, Drums.
2. Adequate keyboard facility to satisfy the needs of the prospective music teacher. To meet this requirement a minimum of 4 semesters is required.
3. Sufficient skill in the use of the singing voice to function as a teaching tool in all areas of a public school music program. (See specific requirements in Piano).

Specific Requirements in Piano:

1. Ability to play musically the accompaniments found in the basic public school music series used in the methods courses.
2. Ability to sight-read simple accompaniments.
3. Ability to improvise accompaniments in simple piano style.
4. Ability to play at sight a hymn tune of medium difficulty.
5. Ability to play from memory ten Community Songs.
6. Ability to play one composition from each of the following periods: Classic, Romantic, Modern. At least one piece must be played from memory.

Class Piano Methods aims to acquaint the student with procedures that are known to be successful in individual and class introduction, the value of the piano class as a means of developing basic musicianship, ways of attaining skill in reading, ear-training, technique, theory, harmony, and creative work. Materials suitable for the first two years of piano study are examined, evaluated and discussed. **Three Semester Hours.**

Composition has as its purpose to give the advanced student more intensive experience in creative work. Although no definite idiom is prescribed, the use of contemporary techniques is encouraged. The work done in this course will be written for various mediums. Prerequisite: permission of the instructor. **Three Semester Hours.**

Conducting I (Choral) guides the student in the development of his conducting techniques based on the fundamental meter designs. Choral compositions appropriate to various levels of achievement are conducted by the students. The problems of style and interpretation are studied. **One Semester Hour.**

Conducting II (Instrumental) aims to prepare the student to conduct instrumental groups, band and orchestral, on a public school level; to familiarize the student with rehearsal and performance techniques; to prepare him to conduct current public school band and orchestral material; acquaint the student with suitable ensemble material for use in Secondary School organizations; and to develop power of discrimination in choice of musical materials. **One Semester Hour.**

Counterpoint has as its purpose the development in the student of an increased awareness of the horizontal aspect of musical composition. Contrapuntal music of the eighteenth century is analyzed and the contrapuntal techniques of this period serve as the basis for the student's composition. **Three Semester Hours.**

Creative Music-Drama Projects for Teachers aims to foster creative insight and to develop the techniques necessary to direct creative music-dramatic activities in the school and the community. It is offered during the Main Summer Session only. **Three Semester Hours.**

Eurhythmics I is designed to develop the sense of rhythm through muscular coordination and to develop a sensitivity to rhythmic structure. It enables the student to experience and to express more fully, through bodily activity, the nuances of dynamics and rhythm. **One Semester Hour.**

Eurhythmics II is a continuation of Eurhythmics I applied to more difficult problems of rhythm and coordination. The course includes a unit on percussion. **One Semester Hour.**

The Theory courses aim to develop the techniques required for a comprehensive understanding of music literature, and the background necessary for intelligent interpretation, arranging, and composition. These techniques include: the harmonization of melodies; harmonic and formal analysis; creative work at the keyboard; aural recognition of the harmonic vocabulary being studied; and the application to the keyboard of this vocabulary.

History of Music I is a study of the evolution of idioms, forms and styles of musical composition, notation, instruments, and performance from primitive times through the eighteenth century. It attempts to show the relationship of styles and practices in music to social conditions and to the other arts, and the relationship of the composer to the period in which he works. **Three Semester Hours.**

History of Music II continues the study of the evolution of various musical styles and practices from the latter half of the eighteenth century to the present. It attempts to develop further a sensitivity to style as illustrated in the music of various periods. **Three Semester Hours.**

Methods I seeks to develop a philosophy of music education through a study of the viewpoints and practices of leaders in the profession. An examination of current available materials intended for use from kindergarten through the sixth grade is carried on throughout the course.

Topics which are discussed in the course include: The Care and Use of the Child Voice, The Attainment of Desirable Class Attitudes Toward Music, The Development of a Reading Program, Desirable Music Experiences, and Music in Rural Schools.

Students are given experience in the use of materials at each grade level. An opportunity to observe Music Education in actual practice is afforded through assigned observation in the laboratory schools.

Methods II (Secondary) aims to help the student develop a suitable vocal program for grades seven to twelve inclusive. The major topics include the philosophy of Music Education in the public schools, professional attitudes and relationships, organization of required and elective courses, the evaluation of choral material and its interpretation in developing teaching techniques. **Two Semester Hours.**

Methods III (Instrumental) is devoted to the study of a suitable instrumental program for a public school system. Special attention is given to the problems of organization and administration as well as the teaching techniques of the various instruments. Available materials for all phases of the instrumental program are surveyed and evaluated. A unit in class piano methods acquaints the student with the value of the piano class as a means of developing basic musicianship, and with procedures for the attainment of skill in reading, ear-training, theory and keyboard technique. Materials suitable for the first two years of piano study are examined and discussed. **Two Semester Hours.**

Orchestration covers the individual scoring and group scoring problems for orchestral and band instruments. It includes the study of instrument ranges, substitution of instruments, transfer of knowledge to similar instruments, analysis of correct bowings, ensemble playing, orchestral accompaniments, etc. A study is made of orchestral and band scores. Problems related to the con-

ducting of the scores are discussed and demonstrated. Opportunity is afforded to actually conduct various sized instrumental groups. **Two Semester Hours.**

Solfeggio I aims to develop facility in singing at sight and the ability to sing with good intonation. Problems studied include diatonic skips and scalewise progressions; major and minor mode; chromatic tones; two-, three-, and four-quarter measure; two tones to the beat and the dotted beat note. In addition to the above named techniques, the course also provides the student with the basic knowledge of the rudiments of music; Key Signatures; Bass and Treble clef; intervals; and Primary chords. Emphasis is placed on phrase-wise thinking and on the elements of form. **Two Semester Hours.**

Solfeggio II aims to increase the sensitivity of the student to correct intonation and to develop his ability to sing a second part. It includes two and three-part singing; six-eighth, nine-eighth, two-half, and three-half measure; three and four tones to the beat with their various combinations; and the melodic and natural minor scale. The student is also given experience with written musical notation; reproduction at the keyboard of simple melodies and harmonies; and the composition of simple original melodies. **Two Semester Hours.**

Solfeggio III aims to develop greater facility in the tonal and ryhthmic techniques already presented and additional mastery of the problems of part singing. Advanced problems include more difficult modulation, chromatic alterations, modal tonality and more complicated rhythms. The problems are studied aurally as well as visually. **Two Semester Hours.**

Survey of Music Literature aims to acquaint the music student with the various forms and media of musical composition and to familiarize him with specific examples of standard music literature. Emphasis is placed upon the objective elements of music style as well as upon subjective factors of musical expression. **One Semester Hour.**

Theory of Music I includes the study of diatonic harmonies and non-harmonic tones. The phrase and the period serve as the units for analysis and creative work. **Four Semester Hours.**

Theory of Music II increases the students vocabulary to include chromatic alternations and modulation. The piano style as well as the choral style is used in the composition and harmonization of melodies. **Four Semester Hours.**

Theory of Music III places more emphasis on formal structure, with further experience in the use of materials studied in Theory

I and II. Analysis and composition of works in the song forms, rondo, and sonata-allegro form provide the basis for this course. **Three Semester Hours.**

Theory of Music IV gives additional practice in the use of materials of the above Theory courses through the study of string quartet scores. Study of some contemporary techniques of composition is also included in this semester. **Three Semester Hours.**

SCIENCE

BIOLOGICAL SCIENCES

Botany I deals with the anatomy and life processes of the flowering plants. Topics considered are plant cells and tissues, roots, stems, leaves, flowers, fruits, and seeds. The economic importance of plants in general and certain species in particular is stressed, as is also the recognition and classification of many species native to eastern North America. **Four Semester Hours.**

Botany II is concerned with the non-flowering plants. The anatomy, physiology, and life cycles of representative species of algae, bacteria, fungi, mosses, liverworts, and ferns and fern allies are considered. The economic importance and ecological relationships of these groups are emphasized, as well as the recognition and classification of many species growing in eastern North America. **Four Semester Hours.**

Ecology considers plants and animals in relation to the environments in which they live. Special attention is given to plant and animal communities in Pennsylvania. Individual problems are assigned. Prerequisites: 6 credits in Biology or Geography. **Three Semester Hours.**

Entomology is a general study of insects including structure, physiology, classification, economic importance, and relationships. Each student is required to complete a project including a collection and a report on some group of insects. Prerequisite: Zoology I. **Three Semester Hours.**

Field Botany emphasizes the methods useful in the study of plants in their natural surroundings. The use of keys, botanical manuals, and illustrated floras to identify living specimens will constitute a major activity. Among the desirable outcomes should be an acquaintance with non-cultivated plants as sources of emergency or staple foodstuffs, fibres, lumber, pollen and nectar, as well as their invaluable importance to wildlife. **Three Semester Hours.**

Field Zoology seeks to develop a familiarity with local fauna, which will enable the student to identify most of the forms he is likely to meet in his teaching. Numerous field trips are taken, and much material is collected and studied. Some attention is given to nature photography and the making and coloring of lantern slides. **Three Semester Hours.**

Genetics deals with the facts and theories of inheritance. The work of leading geneticists is reviewed. Special emphasis is placed upon modern methods of improving plants and animals, and upon the problems of human heredity. **Three Semester Hours.**

Microbiology is a study of microscopic forms of life with emphasis on the species which produce disease in man and in his domesticated animals. Prerequisite: two semesters of Biology and two semesters of Chemistry. **Three Semester Hours.**

Ornithology is an introduction to the birds of Pennsylvania with emphasis upon identification of birds in the field. Lectures deal with internal and external adaptations for aerial travel, classification, migration, habitat, plumage changes, nesting habits, and economic relations. **Three Semester Hours.**

Parasitology emphasizes the anatomy, physiology, life history, and habits of parasites primarily of Man and his domesticated animals. Special attention is given to parasitic worms and insects found in the college area. **Three Semester Hours.**

Physiology is a course designed to give the student a general back ground of the manner in which animals carry on their bodily processes, with particular emphasis upon the human. Prerequisites: Zoology II or Vertebrate Anatomy and Inorganic Chemistry I and II. **Three Semester Hours.**

Vertebrate Anatomy is a course in mammalian anatomy designed for majors in Biology. Although the cat is used for lecture and laboratory work, considerable emphasis is given to comparisons with other vertebrate animals, especially Man. **Three Semester Hours.**

Zoology I is a study of the origin, development, anatomy, physiology, life history and habits of the animals of each phylum of the invertebrates. Attention is given to those species of particular importance to man. It acquaints students with many invertebrate animals native to the northeastern states. **Four Semester Hours.**

Zoology II deals with the chordates, particularly the various classes of the vertebrates. Special emphasis is placed upon the anatomy, physiology, origin, and development of the animals of each class. Some attention is given to the taxonomy of the vertebrates of the northeastern states. **Four Semester Hours.**

CHEMISTRY

Biological Chemistry includes the study of the chemistry of proteins, carbohydrates, fats, minerals, and vitamins with the biological function of each. Digestive and metabolic changes are studied by laboratory tests and animal feeding experiments. Prerequisite: Organic Chemistry. **Three Semester Hours.**

Chemistry of Foods and Nutrition is the application of food and physiological chemistry to the nutrition of man; dietary studies; food requirements of persons of various ages and environmental conditions; energy metabolism; mineral requirements and utilization; the vitamins, their nature, function and occurrences; and the effect of food on the growth and well-being of Man demonstrated by feeding experiments and laboratory animals. Prerequisite: General Chemistry. **Three Semester Hours.**

Collodial Chemistry is a study of substance in the collodial state with particular emphasis on methods of producing sols and gels, stabilizing them or preventing their formation, and interference in chemical procedures. The practical application to various industries, agriculture, medicine, weather, soils, and home and community life will be stressed. Prerequisite: Inorganic Chemistry. **Three Semester Hours.**

Industrial Chemistry deals with the application of theories, laws, and calculations of chemistry to industrial processes. An intensive study of at least one major industrial process is made by each student. The class work is supplemented by selected laboratory experiences and trips to neighboring industries. **Three Semester Hours.**

Inorganic Chemistry I includes a chemical study of the structure and behavior of matter and the modern theory of atomic structure. The gas laws, solutions, ionization, acids, bases, and salts as well as the writing of equations and solving of problems are an integral part of the course. **Four Semester Hours.**

Inorganic Chemistry II is a continuation of Chemistry I including the more fundamental concepts of non-metals, reduction and a study of the metals. Prerequisite: Chemistry I. **Four Semester Hours.**

Organic Chemistry I is a study of the hydrogen compounds of carbon and the aliphatic series with emphasis on structural relationships and the nomenclature as well as on uses and characteristic properties. **Four Semester Hours.**

Organic Chemistry II is a continuation of Organic Chemistry I dealing with the amines and proteins and those compounds belonging to the aromatic series. **Three Semester Hours.**

Physical Chemistry is an introduction to the fundamental principles of theoretical chemistry with application in the solution of problems and training in the techniques of physical-chemical measurements. Prerequisite: Inorganic Chemistry. **Three Semester Hours.**

Qualitative Analysis includes the study and practice of separating and identifying the cations and anions of the more common elements and radicals. Basic principles underlying the methods of Qualitative Analysis and some applications of the science are stressed. Prerequisite: Inorganic Chemistry. **Three Semester Hours.**

Quantitative Analysis is an introductory course, presenting methods of volumetric-, gravimetric-, and electro-analysis. Attention is given to the solution of simple problems related to the theory and practice of the subject. Prerequisite: Qualitive Analysis. **Three Semester Hours.**

Water Analysis is the study and analysis of water for potable qualities for use in industrial applications. The treatment for softening and elimination of industrial contamination is emphasized. **Two Semester Hours.**

GENERAL SCIENCE

Basic Biology is a course to acquaint students with the place of living things in their environment. It will illustrate how living things are classified, how they develop and maintain their kind, how they react to their environment, how they can be improved, and the necessity for controlling or conserving those which affect Man's welfare. **Three Semester Hours.**

Basic Physical Science is a general course drawing its material from the fields of astronomy, geology, physics, and chemistry. A knowledge and appreciation of the methods and philosophy of science are major aims of the course. **Three Semester Hours.**

Basic Physical Science (Acoustics) is a required course for Music Education students and considers such essentials as sound production, overtones, beats, construction of scales, laws of vibrating strings and air columns, sound control, pitch, loudness, and quality. **Three Semester Hours.**

Earth Science attempts to answer questions pertaining to the natural features of the earth. Its origin, and the present major

land forms, as well as the changes that occur through erosion, glaciation, diastrophism, volcanism, metamorphism, etc., are emphasized. **Three Semester Hours.**

Science in Modern Civilization emphasizes the significance of science in relation to modern life; its potentialities for good or evil; the methods of science rather than the end of scientific thinking; and special knowledge of modern science which will function in human lives in a socially desirable manner. **Three Semester Hours.**

Science for the Elementary Grades aims to acquaint students with objectives basic to the development of scientific concepts in the grades. Units of work are planned to promote a comprehension of simple natural phenomena and of the local environment. The course seeks especially to emphasize principles governing the selection and organization of suitable teaching materials. **Three Semester Hours.**

PHYSICS

Electronics deals with the electron, including the charge, emission, and velocity of the electron. Fundamentals of vacuum tubes and transistors and their circuits and the use of tubes in communication and industry are also discussed. **Three Semester Hours.**

Heat is a study of temperature, expansion, specific heat, convection, conduction, radiation, gas laws, kinetic theory, change of state, isothermal and adiabatic changes, and the measurement and control of high and low temperature. **Four Semester Hours.**

Magnetism and Electricity is a study of D.C. and A.C. circuits, motors, and dynamos, as well as the transmission and use of electricity and precise electrical measurements. **Four Semester Hours.**

Mechanics is a study of balanced and unbalanced forces and their effect on bodies by producing equilibrium or acceleration with emphasis on mathematical problems. **Four Semester Hours.**

Optics studies with the principles of geometrical and physical optics, spectroscopy, and photometry. **Three Semester Hours.**

Physical Measurements studies the theory and practice of precise physical measurements. **One, Two or Three Semester Hours.**

Physics I is a study of work, power, efficiency, forces, motion, energy, momentum, and the properties of liquids and gases at rest and moving. **Four Semester Hours.**

Physics II is a study of heat quantities and transmission, calorimetry, temperature, engines, and the mechanical equivalent of heat. The nature, propagation and velocity of light; reflection, re-

fraction and diffraction; the nature and velocity of sound; and the physical basis of music are also stressed. **Four Semester Hours.**

Sound studies the theory of vibration. Sources, recordings, nature, transmission, reception, and measurement of sound as well as technical applications are stressed. **Three Semester Hours.**

SOCIAL STUDIES

American Government is a study of the general principles of the American system of constitutional government. Special emphasis is placed upon the organization and functions of the national government — legislative, executive, and judicial; on the rights and duties of citizenship; the electorate; political parties; and civil rights and the growing regulatory functions of government. **Three Semester Hours.**

Comparative Government gives major attention to Great Britain and Soviet Russia as best representing, among foreign governments, the democratic and authoritarian systems. Consideration is given to all major existing governmental forms, and current international political situations. Frequent comparisons and contrasts are drawn between these governments and the government in the United States. **Three Semester Hours.**

Contemporary Economic Problems studies certain of our more pressing present-day problems such as: money and banking, international trade, government regulation, and labor relations. **Three Semester Hours.**

Contemporary Social Problems consists of a study of selected crucial present-day problems such as: social waste, the family, crime and delinquency, race relations, and the individual's responsibility as a citizen of the world. **Three Semester Hours.**

Diplomatic History of the United States is primarily intended for history majors interested in a broader international background of the United States. Special emphasis is placed on a study of our foreign relations from the beginning of our national history to the present. Such aspects as the growth and influence of the policy of "isolationism," the creation and development of the Monroe Doctrine, the changing position of the United States as a world power, and the problems incident to the assumption of the resulting responsibilities are emphasized. **Three Semester Hours.**

History of Civilization I and II are integrated survey courses presenting the origin, development and influence on our modern civilization of the governmental and social organization, economic activity, religious belief and practice, and the literature and fine

arts. Emphasis is placed on the conflict between ideas and systems of thought and practice through which various aspects of modern life developed. The first course covers the period from early civilizations to 1800. The second course is concerned with the modern period. **Six Semester Hours.**

History of England traces the growth of the people and institutions of England from the conquest by the Anglo-Saxons to the present. The emphasis is placed on the development of those factors that gave rise to the struggle and events that culminated in the establishment of democratic principles and organizations in our modern world. **Three Semester Hours.**

History of Europe to 1815 is a study of the development of the social, economic, political, religious and cultural experiences of the European people emphasizing the cause and effect of interrelation and interdependence of both people and events that are basic to understanding the fundamental forces that lead to modern life. **Three Semester Hours.**

History of Europe Since 1815 is a comprehensive study of the factors contributed by European people in their national organization through their political, social and economic activities. The understanding of the casual and intergroup relationships essentially basic to analysis and interpretation of the difficulties facing the European world today are studied. **Three Semester Hours.**

History of the Far East is a study of the development of the people of China, Japan, Indonesia, and the Pacific Islands. Attention is given to their cultures and developmental problems as they are related to each other and to the occident. **Three Semester Hours.**

History of Latin America surveys the development of the Latin American countries from the period of discovery to the present. The economic, social, political and cultural areas receive special attention first as domestic problems then as are related to the various political units involved. The influence of European and American relations as they are reflected in local changes are given consideration. **Three Semester Hours.**

History of the Middle East is a study of the various civilizations that developed in this area with regard to the economic, political, social and cultural contributions as they influenced both oriental and occidental achievements. Special emphasis is placed on the modern aspects of their relation to world knowledge and to problems of current international interest. **Three Semester Hours.**

History of Pennsylvania is a study of the founding and development of the Commonwealth from its colonial beginnings to the present time. Emphasis is placed on the social, economic and political developments in the different periods of its history. Special attention is given to the diversity of the people, their institutions and problems, and the growth of Pennsylvania to a leading position in our modern industrial world. **Three Semester Hours.**

History of the Twentieth Century World is a study of the growth of capitalism, imperialism, totalitarianism, international jealousies, recent world conflicts, and the attempts of the family of nations to find world peace through international understanding. **Three Semester Hours.**

History of the United States and Pennsylvania I is a survey course from the beginning with the colonial period and ending with the civil war. Emphasis is placed on the social, economic and political development of our nation in general and of our Commonwealth in particular. Problems in conjunction with the acquisition of our independence, the organization of our nation, the questions in regard to slavery, the expansion of our national boundaries and economy and the settlement of the question of states rights versus national rights will be discussed. **Three Semester Hours.**

History of the United States and Pennsylvania II is a survey course considering the period from 1865 to present. Stress is placed on the impact on our society of the Industrial Revolution, the growth of the labor world power, our part in recent world conflicts, and the activities of our nation on behalf of international organization. **Three Semester Hours.**

Home and Family Living deals with the development of the family and the home in its historical, economic and legal aspects. The various factors influencing the organization, disorganization and reorganization of the family are considered, as well as the modern trends in this basic institution. **Three Semester Hours.**

Industrial Relations is a course dealing with the social organization of industrial concerns and the relation of industry to the social order. A survey is made of both management and labor and their relations in industrial classes, the industrial community and problems of social control of labor and industry. **Three Semester Hours.**

International Relations, 1919 to Present emphasizes the modern, economic, social, political, religious and cultural problems that reflect their influence on international relationships of the

nations of the world, using the United States as the point of departure. Special attention is paid to the struggle of the people through their representatives in international conferences and organizations to resolve their differences. **Three Semester Hours.**

Principles of Economics studies such fundamentals as production, exchange, distribution and consumption. Major topics are: wages, interest, rent, profits, price determination, money and banking and foreign trade. Attention is given to national income approach. **Three Semester Hours.**

Principles of Sociology is a basic course dealing with the interaction arising from the association of human beings. Emphasis is placed upon natural and social heritage, the meaning and functions of culture, the origin, function, and characteristics of social institutions, such as the family, religion, and the state; with inquiry into the nature and genesis of social pathology. Attention will also be directed toward social controls and inertia of group mores. **Three Semester Hours.**

Renaissance and Reformation places particular emphasis on the important political, economic, social, and cultural forces that emerged during this period of transition, and ushered in the modern western culture. The evolution of national states and the rise of individualism is stressed. **Three Semester Hours.**

State and Local Government deals with the history, organization, structure and functions of the major types of city and state governments in the United States. Consideration is given to the development of modern administrative techniques and methods. The prevailing forms of government and administration used by boroughs and townships in Pennsylvania are surveyed. **Three Semester Hours.**

The United Nations: Organization and Function deals with an intense study of the functional organizations of the United Nations, with emphasis on the social, economic and political problems involved in the organization of world government. **Three Semester Hours.**

World Culture I and II is a survey of the evolution of man's culture—his governmental, economic, social, religious, intellectual, and aesthetic activities from beginning of the race to the present time. **Ten Semester Hours.**

STUDENT ACTIVITIES

PURPOSE AND PLAN

The Student Activities of Mansfield State Teachers College provide opportunities for young men and women to express their personal interests, talents, and abilities and to secure socially constructive training and experience.

THE STUDENT COUNCIL

Each student is a member of the Mansfield Student Government Association. In order to carry on the business of this group, the student body elects fourteen students to be their representatives and serve on the Student Council. Since the Student Council plans the extra-class activities program on the campus, approves the dates for college meetings and sends students' opinions to the Administrative Council, the members are eager to serve the students well. The council seeks the cooperation of each student and is pleased to receive suggestions. The success of Student Government depends on the interest and enthusiasm of each student in campus activities.

SOCIAL ACTIVITIES

Dances, parties, receptions, teas, formal and informal, provide wholesome recreation and entertainment for the student and at the same time present an opportunity for him to orient himself to cooperative living and social poise.

ATHLETIC ACTIVITIES

Intercollegiate football, basketball, and baseball games are scheduled annually.

RECREATIONAL ACTIVITIES

In addition to the intercollegiate program, the students have a lively interest in intramural athletics. Tournaments and class competitions afford each student opportunity to participate in his favorite sports. Among the most popular are tennis, swimming, basketball, volleyball, softball, bowling, badminton, touch football, roller skating, shuffle board, and others.

ORGANIZATIONS

HONOR FRATERNITIES

Kappa Delta Pi. Juniors having six and Seniors having twelve semester hours of education and who are ranking in the upper quarter of their class are eligible to this national Education honorary society. The aims of KDP are to set up worthy scholastic and professional ideals, to recognize outstanding work in the field of teaching, and to establish teaching on a higher plane in American professional life. Students feel that it is a distinct honor to be invited to join this educational honorary fraternity.

Lambda Mu, a local music sorority, encourages high standards of musicianship and scholarship. To be eligible for membership a woman music student must be at least a second semester sophomore. She must have earned an A in an Applied Music subject and have an average of B in her music studies and an average of C in her academic studies.

Phi Mu Alpha Sinfonia is a national musical fraternity for men who are making music their profession and for those who take an active interest in music as an avocation. The aims of this fraternity are to advance the cause of music in America, to foster the mutual welfare and brotherhood of students of music, to develop the truest fraternal spirit among its members, and to encourage loyalty to the Alma Mater. Beta Omicron Chapter was founded in 1931.

Phi Sigma Pi is a national Education fraternity for men in teacher-preparation institutions. Its ideals are character, knowledge, and fellowship. Its personnel is limited to men of superior scholastic, professional, and social standing, who have spent at least one year at the College.

Kappa Omicron Phi is a national honorary home economics sorority whose purpose is " to further the best interests of home economics in the four-year colleges." The members are selected on the basis of scholarship, professional attitude, and character. The number may not exceed twenty per cent of the enrollment. The aim of Kappa Omicron Phi is "to develop women with higher ideals of sane living, with deeper appreciation of the sanctity of the American home, with broader social and higher intellectual and cultural attainments."

Sigma Zeta is a national Science honor society restricted to upperclassmen. It seeks to recognize ability and accomplishment in the various branches of science. Meetings, field trips, and special projects make active membership in the organization pleasurable and worthwhile.

MUSICAL ORGANIZATIONS

The number and organization of these groups varies from year to year and is dependent upon the musical resources and needs of the students enrolled in the Music Education Department as well as in other departments of the College. While these organizations center around the musical equipment and needs of the students following the Music Education curriculum, they are open to students from all departments who can meet the performing requirements.

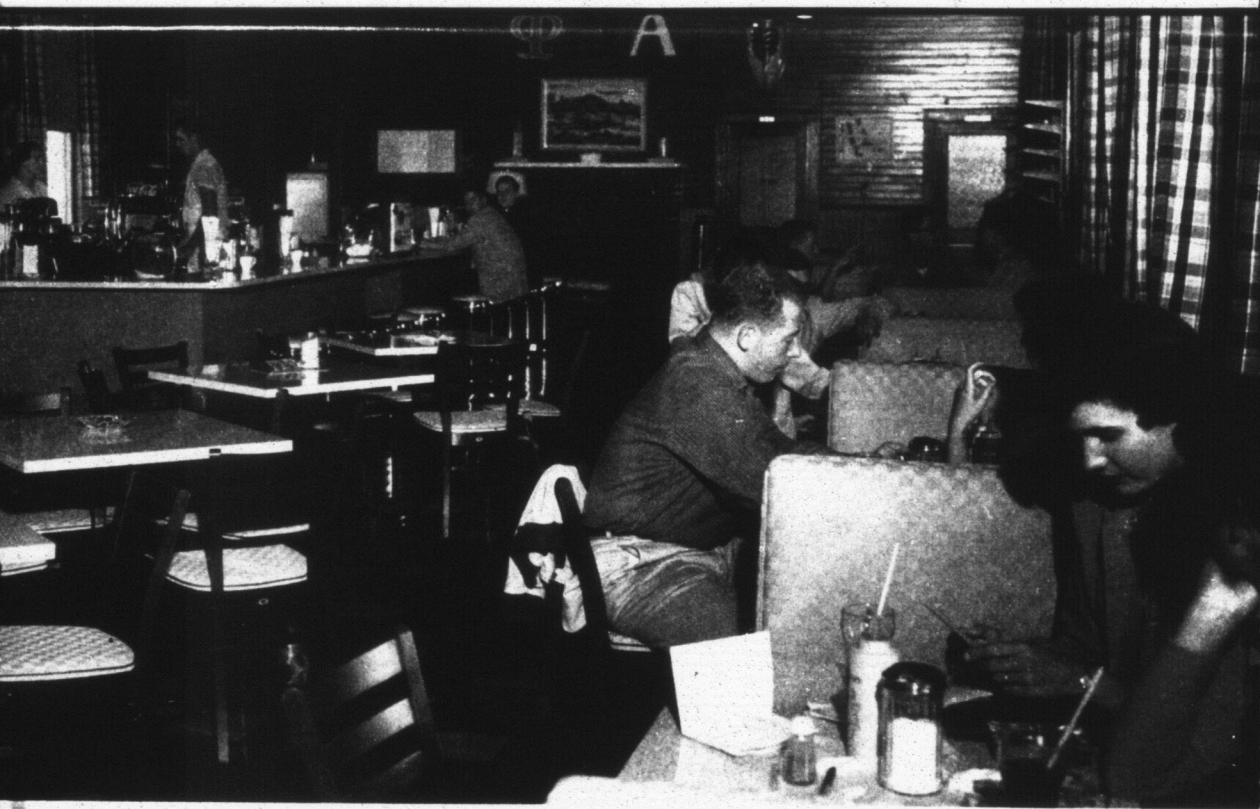
Bands. Bands are organized for functional purposes on the campus and for the preparation of music teachers and band directors. They are of two types: Concert bands and Marching bands. The Marching Band is active during the football season, after which its personnel is absorbed into other wind organizations. The advanced concert ensembles rehearse throughout the school year.

Orchestras. The orchestras center around the String Program and are organized to give students of all levels of technical proficiency experience in playing orchestral literature, and opportunities to observe orchestral procedures.

Choruses. The College Chorus has for its purpose the study of choral literature representative of a wide variety of styles, and a practical demonstration of methods and procedures for the attainment of superior choral singing. Membership is required of students in the upper three classes of the Music Education Department.

The Freshman Chorus is made up of first-year students taking the Music Education curriculum. Its purpose is to develop desirable choral habits and standards through the study of musical literature within the understanding and the performing skill of the less experienced student.

Small Ensembles. Two periods each week are kept open for rehearsals of the small vocal and instrumental ensembles, some of which are practice groups while others are performing ensembles. As in the case of other musical organizations, the purpose of these groups is two-fold: to provide opportunities for the development of musicianship, and to be workshops in which students learn procedures and become acquainted with the materials of the medium.



RELIGIOUS ORGANIZATION

Student Christian Association

All students are invited to join the Student Christian Association which is a part of the Student Christian Movement. This organization strives to develop spiritual, moral and social relationships among individuals. Programs featuring music and pertinent discussion are scheduled for the weekly meetings.

DEPARTMENTAL CLUBS

The Association for Childhood Education International is an organization for all elementary students and faculty of the Elementary Department. The purposes of the organization are to discuss topics of common interest; to promote closer fellowship among the members, and to help the members become better teachers.

The Music Education Club is a departmental organization open to all students enrolled in the Music Education curriculum. As an affiliate of the Music Educators National Conference and the Pennsylvania Music Educators Association, it aims to acquaint its members with current activities and developments in the field of Music Education. As a campus organization, the club conducts monthly meetings at which programs are presented which augment the instruction and experience of the Music Education courses. As the representative student organization of the Music Department, it assumes the responsibility for a limited number of social events.

Omicron Gamma Pi is an organization for all Home Economics students. The meetings, which are held once a month, consist of lectures, reports, and news in the field of the American Home Economics association. The organization keeps in close touch with national activities in its field.

SPECIAL INTEREST ORGANIZATIONS

The Art Club is an honor society for persons who attain the grade of A in one semester of art. An affiliate of the Eastern Arts Association, it promotes an appreciation of the fine arts through the examination and creation of artistic things. Of particular interest and value are work meetings, which influence the development of individual talent.

The College Players is one of the most vital organizations on the campus. Students interested in acting are selected after tryouts while those interested in costuming, make-up, or staging may make application by letter. Two plays are presented each year, and monthly meetings are held. Cooperation is the key word for the Players, a quality inherent in the group and its relation to campus life.

The M Club is made up of men who have earned a varsity letter in one or more intercollegiate sport. Its purposes are to encourage wholesome living and good sportsmanship and to stimulate interest in athletics.

The Women's Athletic Association aims to create an interest in sports, recreational activities, and tournaments. This organization sponsors many activities and the members are privileged to use the equipment which is owned by the Association. The climax of the athletic year is the annual WAA breakfast held each spring.

PUBLICATIONS

The Flashlight, the College newspaper, is usually published once each month. It is published for the student body and is composed of articles of interest about the students and their activities on the campus. Any student interested in newspaper work may apply to the editor of the paper stating his qualifications and the type of work which interests him. All students and faculty members receive the Flashlight.

The Carontawan, named from an Indian expression meaning "little town on the hill," is the College yearbook at MSTC. It is dedicated to student life at Mansfield and is published by a board selected chiefly from the junior class. Every student who is a member of the Mansfield Cooperative Government Association for the entire academic year receives a Carontawan.

The Password, the student handbook, is published annually by the Student Council and dedicated primarily to the Freshmen. It is a compilation of information about the College and life at MSTC.

ASSEMBLIES

Assemblies for the entire student body, the faculty, and others are held every Tuesday at 2:00 p.m. in Straughn Hall. Their primary purpose is to supplement the work of the classroom. Assemblies not only give the student an opportunity for developing sound appreciation of the various fields of learning and the arts, but also give the students an opportunity to participate in such programs.

ARTISTS COURSES

The college conducts two excellent artists courses — the Assembly course and Auditorium course. The Assembly course is designed to vary the student participating activities of the assembly period; the Auditorium course intends to provide cultural experiences on a high level. The college attempts to secure the

finest lecturers, musicians, dancers and actors obtainable and during the past several seasons has been fortunate in scheduling such attractions as Jean Carlton, Roland Hayes, William Masselos, William Gephart, Dorothy Canfield Fisher, Dr. Henry Seidel Canby, Dr. William Kirkpatrick, the United States Navy Band, the Graff Ballet, the Don Cossack Chorus, and the Columbus Boy Choir. Admissions to these programs are covered by the Student Activity Fee.

MUSIC EDUCATION DEPARTMENT CONCERTS AND RECITALS

The Music Department presents a series of evening and Sunday afternoon recitals and concerts, given by members of the faculty and advanced students. These are supplemented by studio recitals which offer the less experienced student musicians opportunities to perform before an audience.

MOTION PICTURES

Friday evenings at 7:30 p.m. motion pictures are shown in Straughn Hall. Not only are the finest pictures in the fields of entertainment and education presented on the College screen as part of the Auditorium program, but also newsreels and travelogues are scheduled as an adjunct to the Assembly program. They are a valuable enrichment to the social and academic life on the campus. Admission is covered by the Student Activities Fee.

THE COLLEGE COMMUNITY VESPER SERVICE

Each year four Vesper Services are arranged by the College in cooperation with local churches and are held at 7:30 o'clock in the evening in Straughn Hall. The programs consist of addresses by well-known clergymen, representatives of all faiths; non-sectarian devotional exercises; and special music. The Music Education Chorus presents a Cantata each year at one of these services.

SPECIAL SERVICES AND FACILITIES

GUIDANCE PROGRAM

A strong program of guidance is conducted at Mansfield, whereby each student is aided and abetted in all phases of his development — personal, academic, health, and vocational — from the time when he applies for admission to the time when he is graduated and launched successfully in his profession.

By the provisions of this program, a student is admitted to Mansfield only after the administration is satisfied that he possesses qualifications for success in college and in educational work. This opinion is formed through careful examination of his personal, scholastic, and health records and a series of interviews with the candidate. Also utilized are tests in general intelligence, command in English, and culture. Additional followup tests in English culture, and contemporary affairs are given at the end of the sophomore year.

Then the student is given four types of counseling: personal, for emotional, social, and spiritual development; academic, for intellectual growth; health, for physical welfare and betterment; vocational, for placement and adaptation to service. Throughout the student's college course there exists a personal relationship between a member of the staff as his adviser and himself. An adviser is assigned to the student during his Freshman year at the close of which he assists his department head in selecting an adviser for the balance of his college course.

HEALTH SERVICE

Complete facilities for promoting the health of students and preventing disease as well as dealing with injury and illness are provided at Mansfield through a modern, well-equipped infirmary, staffed with a physician and a nurse. The services of the physician and the nurse are rendered regularly without charge.

OFFICE OF VETERANS' COUNSELOR

The office of Veterans' Counselor has been organized to assist veterans in all matters of rehabilitation and training, pensions, and out-patient treatment. It works in close cooperation with the Veterans Administration, both directly and through the training officer assigned. The Counselor acts as liaison between the College and the Veterans Administration, the Marine Corps, Naval Reserve, Army Reserve, and Coast Guard.

Through this service the subsistence problems of the veterans on the campus have been reduced to a minimum. Veterans are given a chance to discuss their individual problems with a counselor who has had wide experience in dealing with veterans' problems during and following World War II.

PLACEMENT SERVICE

An exceptionally high record of success in facilitating the placement of graduates and their orientation to service is held by

the teacher placement bureau at Mansfield, which at all times is ready to assist graduates in finding positions and to help school officials in securing the teacher best qualified to serve their needs.

CAMPUS BOOK AND SUPPLY STORE

A book and supply store is operated on the campus by the Mansfield Cooperative Government Association. The store sells all educational texts and supplies needed by students, and any profit accrues to the Association for the furtherance of the extra-class program.

FEES, DEPOSITS AND REPAYMENTS IN THE STATE TEACHERS COLLEGE

All Fees, Deposits and Repayments are Subject to Change

A. FEES

I. Student Activity Fee

A student activity fee will be collected from all regularly enrolled students and will be administered through a cooperative organization under regulations approved by the Board of Trustees. This fee covers the cost of student activities — athletics, entertainments, publications, etc. Students taking fewer than six semester hours or students taking extension courses may secure the benefits of the activities program by paying this fee. The student activities fee as determined and collected by the Mansfield Cooperative Association is $25.00 for the first semester of attendance and $20.00 each semester thereafter.

II. Basic Fee

A basic fee of $144 per year will be collected from all regularly-enrolled students.

This fee covers the cost of registration; the keeping of student records; and library, laboratory, and student health services. In addition, the average student will require for books, gymnasium attire, and miscellaneous expenses at least $50.00 per year.

III. Housing Fee

1. The housing fee for students is as follows:

	Semester	Year
Room, Board and Laundry	$252.00	$504.00

(a) No reduction in the fee will be made when students go home or when laundry is done elsewhere.

(b) Students may occupy a double room alone by paying an additional $36.00 per semester, when available.

(c) Where off-campus rooming students board in the college dining room, the housing fee will be divided $5.00 for room and $9.00 for board per week. A laundry fee of $18.00 will be charged if the student uses the college laundry.

2. The housing fee for persons other than students is $15 per week.

3. The charge for meals to transients:
Breakfast, $.50; Luncheon, $.75; Dinner, $1.00.

IV. Infirmary Fee

1. The services of the college physician and the college nurse are available to those who are ill or injured. Medicine for minor illnesses and dressings for injuries are furnished free of charge, but students must pay for special prescriptions or preventative vaccine.

2. After three days in the Infirmary, students from the dormitory will be charged a hospitalization fee of $1.00 per day in addition to the regular housing fee.

3. Day students to the Infirmary will be charged a fee of $2.00 per day. This charge includes only regular medical and nursing services.

V. ISOLATION FEE

1. For use of the isolation quarters for the contagiously sick, the college will charge $10.00 per week in addition to the regular housing fees. This fee does not include special medical and nursing service.

2. Day students admitted to the isolation quarters will be charged at the rate of $2.00 per day, plus $10.00 per week. This fee does not include special medical or nursing services.

VI. Special Fees

Students following the Home Economics Curriculum will be charged a special fee of $27.00 per semester, or $54.00 per year; while students following the Music Education Curriculum will be charged a special fee of $45.00 per semester, or $90.00 per year.

Students who are not legal residents of Pennsylvania pay a fee of $9.00 for each semester hour instead of the Basic Fee.

VII. Private Music Instruction Fee

The charge for private lessons in music to students not following the Music Curriculum will be:

(a) Voice, piano, band, or orchestral instruments—$24.00 per semester for one lesson per week. Pipe organ $42.00 per semester for one lesson per week.

(b) Rental of room for practice, one period per day—$6.00 per semester. Rental of pipe organ for practice, one period per day — $36.00 per semester. Rental of band or orchestra instruments — $6.00 per semester.

VIII. Special Music Instruction Fee

Members of the music department who desire private music instruction other than assigned by the director will pay the same rate for such instruction as students not following the Music Curriculum.

IX. Degree Fee

A fee of $5.00, to cover the cost of diploma, shall be paid by each candidate for a degree.

X. Cap and Gown Fee

A fee of approximately $3.00, to cover rental of cap and gown for commencement exercises, shall be paid by each candidate for a degree.

XI. Transcript Fee

A fee of $1.00 shall be paid for the second and each subsequent transcript of record. No fee is charged for transcripts of persons in military service.

XII. Delinquent Accounts

No student shall be enrolled, graduated, or given a transcript of his record until all fees have been paid.

XIII. Late Registration Fee

Each student registering after the date officially set for registration shall pay an additional fee of $1.00 per day until the student is in regular attendance in accordance with the regulation of the Board of Presidents, provided that the total amount of the late registration fee shall not exceed $5.00, except when permission for late registration has been secured in advance from the President because of illness or other unavoidable cause.

B. DEPOSITS

I. A deposit of $25.00 shall be made by all students. This is a guarantee of the intention of the student to enter college for the term or semester designated. It is deposited with the Revenue Department to the credit of the student's basic fee.

II. Students who meet the admission requirements of the college, but who do not report at the beginning of the semester, will not receive a repayment of this deposit. However, if students are not admitted by the college after paying the Advance Registration Deposit, they may receive $15.00 of the registration deposit if they make written application before September of the year they expect to enter.

III. A check or money order for this deposit must be drawn in favor of the **Commonwealth of Pennsylvania.**

C. REPAYMENTS

I. Repayment will be made for personal illness, the same being certified to by an attending physician, or for such other reasons as may be approved by the board of trustees. These will include the amounts of the contingent and housing fees paid by the student for the part of the semester which the student does not spend in the college.

II. Repayments will not be made to students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the college.

SCHEDULE OF PAYMENTS

The Contingent and Housing fees are due for the first half of the first semester on entering; for the second half of the first semester at the beginning of the tenth week; for the first half of the second semester at the beginning of the nineteenth week; for the second half of the second semester at the beginning of the twenty-eighth week. The Activities Fees must be paid for the full semester at the beginning of each semester. All fees may be paid for the full semester at the beginning of each semester, if more convenient to students or sponsors.

METHODS OF PAYMENT

At the beginning of each semester, a check in the amount of $20.00 should be drawn in favor of the **Mansfield Cooperative**

Government Association. This will pay the Activity Fee. All other checks should be drawn in favor of the **Commonwealth of Pennsylvania.** Please do not submit checks in **excess** of the amounts called for, as the College is legally unable to cash them or to refund balances. Cash will be accepted.

SPECIAL CHARGES

Damages. Dormitory rooms are fully equipped for students on entrance. Any damage to rooms or furnishings beyond that which comes from ordinary use will be charged to students. At the beginning of the term, all necessary electric lamps are furnished without charge. If the damage results from using appliances other than those provided by the college, a proportionate amount will be charged to all students accountable.

Charges During Illness. Charges during illness do not include the expense of employing trained nurses or the cost of medicine, for all of which students or parents are responsible. In cases of serious illness, students may be removed to a hospital, where special expenses must be met.

FINANCIAL OBLIGATIONS

The acceptance of a student is for a semester; and parents or any others who are providing for the expense of a student at the college should understand that their financial obligations are for the entire semester.

SUMMARY OF FEES

Students Living At College

Elementary or Secondary Education

	First Quarter Sept. 4	Second Quarter Nov. 3	Third Quarter Jan. 27	Fourth Quarter Mar. 31	Total Yearly Cost
Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Housing Fee	126.00	126.00	126.00	126.00	504.00
Total Due Com. of Pa.	162.00	162.00	162.00	162.00	648.00
Activities Fee	20.00		20.00		40.00

Home Economics Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Special Fee	13.50	13.50	13.50	13.50	54.00
Housing Fee	126.00	126.00	126.00	126.00	504.00
Total Due Com. of Pa.	175.50	175.50	175.50	175.50	702.00
Activities Fee	20.00		20.00		40.00

Music Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Special Fee	22.50	22.50	22.50	22.50	90.00
Housing Fee	126.00	126.00	126.00	126.00	504.00
Total Due Com. of Pa.	184.50	184.50	184.50	184.50	738.00
Activities Fee	20.00		20.00		40.00

SUMMARY OF FEES

Students Not Living in Dormitory

Elementary or Secondary Education

	First Quarter Sept. 4	Second Quarter Nov. 3	Third Quarter Jan. 27	Fourth Quarter Mar. 31	Total Yearly Cost
Basic Fee					
Total Due Com. of Pa.	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Activities Fee	20.00		20.00		40.00

Home Economics Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Special Fee	13.50	13.50	13.50	13.50	54.00
Total Due Com. of Pa.	49.50	49.50	49.50	49.50	198.00
Activities Fee	20.00		20.00		40.00

Music Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Special Fee	22.50	22.50	22.50	22.50	90.00
Total Due Com. of Pa.	58.50	58.50	58.50	58.50	234.00
Activities Fee	20.00		20.00		40.00

Day Students Taking Meals in Dining Hall

Elementary or Secondary Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Board	81.00	81.00	81.00	81.00	324.00
Total Due Com. of Pa.	117.00	117.00	117.00	117.00	468.00
Activities Fee	20.00		20.00		40.00

Home Economics Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Special Fee	13.50	13.50	13.50	13.50	54.00
Board	81.00	81.00	81.00	81.00	324.00
Total Due Com. of Pa.	130.50	130.50	130.50	130.50	522.00
Activities Fee	20.00		20.00		40.00

Music Education

Basic Fee	$ 36.00	$ 36.00	$ 36.00	$ 36.00	$144.00
Special Fee	22.50	22.50	22.50	22.50	90.00
Board	81.00	81.00	81.00	81.00	324.00
Total Due Com. of Pa.	139.50	139.50	139.50	139.50	558.00
Activities Fee	20.00		20.00		40.00

PROVISIONS FOR STUDENT AID

SCHOLARSHIPS

State Scholarships—Holders of state competitive scholarships may use them at Mansfield State Teachers College when enrolled in any four-year degree curriculum.

S.C.A. Scholarship — The Student Christian Association has pledged itself to contribute fifty dollars annually to the Student Aid Committee to be given to a deserving student. Information pertaining to this fund can be obtained through the Dean of Women or the Dean of Men.

Student Loan Fund Scholarships—Eight scholarships of $50.00 per year for two years will be available for students from the College service area entering the College in September, 1955. Eligibility for these scholarships will be determined by the College authorities in charge of the fund. Applications may be secured through the high school principal from the office of the County Superintendent of Schools of the county in which the student is a resident.

Colegrove Memorial Scholarships—Two scholarships of $100. per year have been made available by the estate of W. H. Colegrove to be awarded each year to two outstanding women students from Tioga and/or McKean Counties.

Theodore Presser Foundation Scholarship — A scholarship for music students is awarded by the Music Department, with the approval of the President of the College. The grant is in the amount of $250.00 yearly, as approved by the Board of Trustees of the Presser Foundation. The award was first granted to Mansfield in 1949. Juniors and seniors in the music curriculum are eligible for the scholarship.

LOANS

Student Loan Fund — Through the generosity of alumni and friends of the College, a substantial fund has been accumulated for the purpose of aiding worthy students through the medium of loans which are to be paid back to the fund as soon as possible after the borrower leaves the College, so that others who are in need may have an opportunity to share in the benefits thus accruing from such a revolving fund. Loans not exceeding $200.00 per year, may be granted during the junior and senior years of attendance at the College, if satisfactory security is provided. This fund is administered by the Student Aid Committee with approval of the President of the College.

Colegrove Educational Loans — Loans to students from Tioga or McKean County to a maximum of $200.00 in any school year ($500.00 to any one student), at two per cent interest until they become wage earners, are available through the Colegrove Educational Loan Trust Fund. The repayment of the loan is then expected on a monthly basis, with interest increased to four per cent per annum. Application for this loan should be made to the Student Aid Committee.

Robert Cowles Memorial Loan Fund — The Music faculty administers a loan fund as a memorial to Robert Cowles. This fund, made up largely of contributions from the Cowles family of Orwell, Pennsylvania, makes available loans not exceeding $100.00 to worthy music students during the junior and senior year of attendance at the College.

Omicron Gamma Pi Student Loan Fund (formerly Domicilian Student Loan Fund) — Dormitory seniors in the Home Economics Education Department who have maintained good scholastic standing and who have high ideals and strong character may have the opportunity of borrowing from this fund amounts to be determined by the committee in charge of the fund. Applications for loans should be made to Omicron Gamma Pi.

Tioga County Federation of Women's Clubs Foundation — The Tioga County Federation of Women's Clubs has established a loan fund, limited for the present to one or two loans of $100.00 to $200.00 per year. The loan is available to any woman student preferably from Tioga County.

The Tioga County Federation of Women's Clubs has also established a loan fund limited to $50.00 per year for students who find themselves in sudden need. This fund is available to both men and women students. It is assumed that loans made from this fund will be repaid at the earliest convenience of the borrower. Applications for loans should be made through the Faculty Committee on Student Aid and Scholarships or through the offices of the Deans of Students.

WORK OPPORTUNITIES

At the College — A limited number of positions at the College are available for students in need of part-time employment. Such opportunities, however, are open chiefly to upperclassmen who have demonstrated their ability to do satisfactory College work. These positions are confined to the kitchen, the dining room, the library, and the administrative offices.

In the Community — While Mansfield is primarily a residential center, some part-time employment in the community frequently may be secured. Such openings are provided through the hotel, the restaurants, the motion picture theater, the garages, and the stores.

In Private Homes — A reasonable amount of work in private homes approved by the College is available. Often students are placed in contact with these homes by friends, alumni, student organizations, or churches. Such arrangements must be approved by the Dean of Women or the Dean of Men prior to the beginning of each semester. However, students and their parents or guardians assume responsibility for such off-campus arrangements.

INFORMATION FOR DORMITORY STUDENTS

ACCOMMODATIONS

Dormitories for men and women are maintained by the College. The rooms are pleasant and comfortably furnished, and the resultant atmosphere is cheerful and harmonious. There are a few single rooms, but the majority are intended to accommodate two or three students.

Both men's and women's rooms are provided with study tables and lamps, chairs for work and relaxation, single beds, mattresses and pillows, bureaus or chiffoniers, and mirrors. Each student must provide blankets, four sheets, two pillow cases, and six towels.

Wholesome, well-balanced meals are provided in an attractive dining room, where men and women are seated together at tables of eight. Here they have a necessary training in the amenities of dining and table service with friendly and stimulating conversation in congenial surroundings.

LAUNDRY FACILITIES

A commercial laundry company takes care of the laundry work of all students residing in the college dormitories. Each student is entitled to twelve pieces of laundry per week. In addition, special rooms are provided where students may do extra washing or ironing which they may desire.

CLOTHING

The women students themselves have compiled the list of clothing they feel necessary to college life. The dormitory, the classroom, and the village of Mansfield naturally govern the ap-

propriate type of dress. Since youthful simplicity characterizes the wardrobe of the well-bred student, sports clothes and tailored frocks are first on the list which follows:

1. Three wool skirts
2. Six sweaters or blouses
3. Two cotton dresses
4. Two sport dresses and one suit
5. Two simple silk dresses
6. One evening gown
7. One housecoat
8. One heavy coat
9. One sports jacket or coat
10. One pair of sport shoes
11. One pair of evening slippers
12. One pair of dress slippers
13. One pair of gymnasium sneakers, Freshmen and sophomore women will be required to purchase uniform gymnasium attire at the Campus Book and Supply Store.
14. Informal clothing for sports or lounging.

For men it is suggested that a standard of personal grooming and appropriateness be set up and maintained dictating the type of informal and formal clothing to be selected.

1. Slacks and sweaters or jackets
2. One dark suit or one mixed color suit
3. One light topcoat
4. One heavy topcoat
5. One pair of sport shoes
6. One pair of dress shoes
7. One bathrobe
8. One pair of bedroom slippers

It is suggested that students purchase uniform gymnasium attire at the Campus Book and Supply Store after their arrival, conveniently and at low cost.

INFORMATION FOR OFF-CAMPUS STUDENTS

Students who do not wish to live in the dormitories and who wish to reside in homes other than their own must secure the permission of the Dean of Men or the Dean of Women. A list of approved homes will be submitted to the student. In every case, financial arrangements are made between the housemother and the student.

Women students, married to men students enrolled at the college, may not reside in the women's dormitory.

Students under 21 years of age will not be permitted to have automobiles at Mansfield. Older students desiring to keep an automobile while at the college must secure the permission of the College administration. Application should be made through the Dean of Men or the Dean of Women.

CERTIFICATION

Citizens of the United States who have completed any of the four-year curriculums offered by the College, who have met all financial obligations, and who have complied with the other regulations for graduation will be granted a college degree. This degree must not be confused with the Provisional College Certificate issued by the Department of Public Instruction.

Upon application subsequent to graduation, the Department of Public Instruction issues a Provisional College Certificate. This certificate is a license to teach in Pennsylvania. It states the field and the subjects which the holder is qualified to teach, and it is valid for three years of teaching. It may be made permanent after three years of teaching in the appropriate fields of the public schools of this Commonwealth with a rating of "middle" or better by the superintendent under whose direction the teaching has been done, provided the holder of the certificate has completed six semester hours of approved courses in the appropriate fields. Three semester hours are required in education and three in the field for which the certificate is valid. These courses must be taken after graduation.

In the Elementary Field the college certificate qualifies the holder to teach in any elementary school in the Commonwealth.

The college certificate in the Field of Home Economics is valid for any vocational or general home economics position in the public schools of Pennsylvania.

The college certificate in the Field of Music Education qualifies the holder to teach or supervise Music in both the elementary and secondary schools of Pennsylvania.

In the Secondary Education Field the college certificate is valid for teaching in the secondary schools of the Commonwealth those subjects cited on the face of the certificate.

College certificates valid in the elementary or special fields may be validated for the secondary field by the completion of twelve semester hours of professional work in that field, six of which must be student teaching, and eighteen semester hours of appropriate courses in the subject for which certification is desired.

College certificates valid in the secondary or special fields may be validated for the elementary field by the satisfactory completion of thirty semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching, and professional courses in the Teaching of Health, Art, and Music in the Elementary Grades.

The State Standard Limited Certificate. This certificate, granted prior to February 1, 1943, qualified the holder to teach in an elementary school for three calendar years. The certificate may be renewed by subsequent three-year periods on evidence of teaching success and completion during each three years of an additional twelve hours of work leading to degree in the elementary field.

Normal School Diplomas. The certificates of graduation issued by Normal Schools and Teachers Colleges in the past, when converted into diplomas after two years, carried with them permanent certificates for teaching elementary subjects. Thus, persons holding such diplomas and certificates and desiring to complete the reguirements for a degree are given credit for one-half of the degree course, on the basis of the old Normal curriculum. The remaining requirements may be completed as rapidly as these persons wish, without affecting their certification rights. On completion of the degree course, however, a Provisional College Certificate is issued.

Correspondence Courses. The regulations of the Department of Public Instruction prohibit the giving or accepting of such courses for credit.

Extension Courses. Teachers in service may complete by extension no more than 25 per cent of the number of courses required for a degree. Only work graded above the lowest passing grade at the institution attended can be accepted on a transfer record. Full information relative to such offerings may be obtained from the Dean of Instruction at the College.

Saturday Classes in Residence. Full information relative to offerings may be obtained from the Dean of Instruction at the College.

1957-1958 SUMMER SESSIONS

PROGRAM

To meet the needs of the undergraduate and war veterans who wish to accelerate the completion of a curriculum, and teachers in service seeking additional certification or a degree, three sessions covering eleven or twelve weeks in all, have been planned for the summers of 1957 and 1958. These Summer Sessions will comprise a pre-session of two or three weeks, a six-weeks session and a post-session of three weeks. The 1957 pre-session will extend from Monday, June 10 until Friday, June 21; the six-weeks session from Monday, June 24 to Friday, August 2; and the post-session from Monday, August 5 until Friday, August 23.

In 1958 the pre-session will extend from Monday, June 2 until Friday, June 20; the six-weeks session from Monday, June 23 until Friday, August 1; and the post-session from Monday, August 4 until Friday, August 22.

PURPOSE AND SCOPE

The summer sessions are intended for undergraduates who wish to accelerate the completion of a curriculum, to adjust irregularities, or to remove deficiences and in-service teachers who need additional certification for a degree. The courses are selected in sufficient variety to meet as far as possible the requirements of all students in elementary education, secondary education, home economics education, or music education.

During the summers of 1957 and 1958 the features will be work shop courses in several fields, demonstrations and conferences, and recreational and social activities appropriate to the season.

FEATURES

Work Shop Courses will afford opportunities for students to work out their own problems and to develop problem-saving techniques through individual and group discussions and direct reading.

Demonstrations and Conferences will provide opportunities for students to observe and to discuss teaching in various areas of special interest determined by the needs and the interests of the students themselves. The areas will include reading, speech, art, music, guidance, library, special education and particular subjects.

Recreational and Social Activities will include educational field trips; many kinds of sports including swimming, tennis, golf, and hiking; and a large variety of social events, including picnics, dances, and parties.

CREDIT

All courses will carry full credit toward certification and a degree. As many as twelve semester hours of credit will be available for the full summer of work.

EXPENSES AND FEES

Students following the Elementary Education or the Secondary Education curriculum will be charged a contingent fee of $9.00 per semester hour of credit; a student activities fee of $2.00 for the pre-and post-sessions and $4.00 for the six-week session; and, if living at the college, a housing fee, covering room, board, and laundry, of $14.00 per week.

Students following the Music Education curriculum will be required to pay an additional fee of $15.00 and those following the Home Economics curriculum will be required to pay an additional fee of $9.00 per session to cover the cost of materials, equipment, and special services used in the studios or laboratories.

SUMMER BULLETIN

Detailed description of the courses, student activities, and costs of the summer sessions will be found in the 1957 Summer Bulletin Number of the College Quarterly, which will be sent by the College on request to persons interested.

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STATE TEACHERS COLLEGE

MANSFIELD, PENNSYLVANIA

FOR PROSPECTIVE STUDENTS

The Preliminary Enrollment Blank below is to be completed and mailed to The President, State Teachers College, Mansfield, Pennsylvania

Preliminary Enrollment Blank

State Teachers College, Mansfield, Pennsylvania

Date_____

Name_____
Last Name First Name Middle Name

Address_____
Number Street City County State

Sex_____ Age_____

Date of High School Graduation_____

Name and Address of High School_____

_____

Years of College Work Completed (If Any)_____

Name of College and Address_____

_____

When do you expect to enter Mansfield?_____

Check education curriculum desired: Elementary ( ); Secondary ( )
Home Economics ( ); Music ( )

Do you wish to live in the dormitories?_____

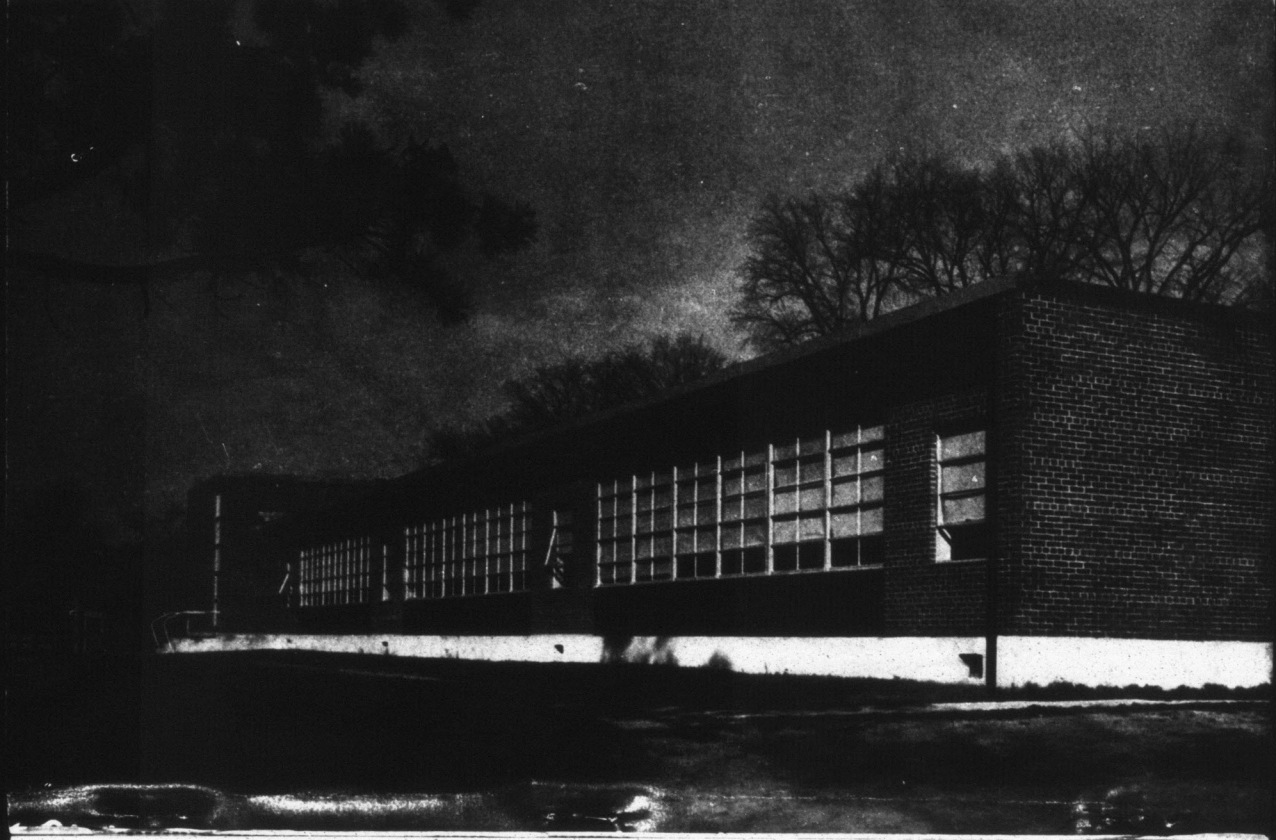
Choice of Roomate, if any?_____

Are you enclosing with this blank the required Advance Registration Deposit of $25.00 (payable to the Commonwealth of Pennsylvania?)_____

Are you a veteran? Yes ☐ No ☐

If yes, under which act are you eligible for training: Public Law 550?_____ 634?_____ or 894?

Please answer EVERY question on this blank



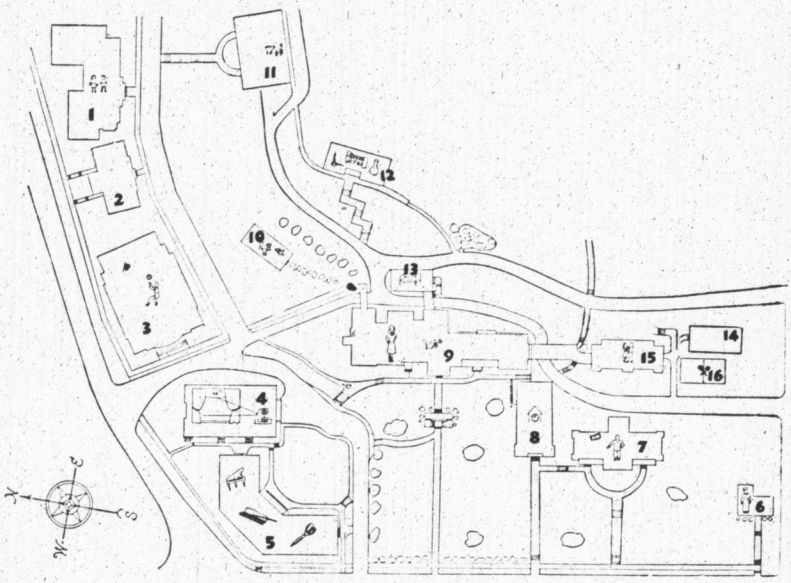


CHART OF COLLEGE CAMPUS

Legend

No.	Initials	Name of Building
1	EB	Elementary School
2	EC	Education Center
3	GB	Gymnasium Building
4	SA	Straughn Auditorium
5	AB	Arts Building (Music and Home Economics)
6	PH	President's Home
7	SH	South Hall (Men's Dormitory)
8	AH	Alumni Hall
9	NH	North Hall (Administrative Offices, Library and Women's Dormitory)
10	GH	Greenhouse
11	JH	Junior High School
12	SB	Science Building
13	IB	Infirmary Building
14	SU	Student Union "The Hut"
15	SC	Student Center
16	TC	Tennis Courts